

stryker®

Maintenance Manual

Medical

Important Information

File in your
maintenance
records

Fluoroscopy Stretcher
Model 1080

For parts or technical
assistance call
800 327 0770 (option 2)



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Introduction

INTRODUCTION

This manual is designed to assist you with the maintenance of the 1080 Fluoroscopy Stretcher. Read it thoroughly before using the stretcher or beginning any maintenance on it.

SPECIFICATIONS

Maximum Weight Capacity	500 pounds	
Overall Stretcher Length/Width	87" x 30.5"	
Patient Surface Length/Width	84" x 26"	
Minimum/Maximum Stretcher Height	24"/34"	
Fowler Angle	0 degrees to 90 degrees	
Trendelenburg/Reverse Trendelenburg	-8 degrees to +8 degrees	
Fluoroscopy Window	19.5" x 66"	
C-Arm Access Width	54"	

Stryker reserves the right to change specifications without notice.

WARNING / CAUTION / NOTE DEFINITION

The words WARNING, CAUTION and NOTE carry special meanings and should be carefully reviewed.

WARNING

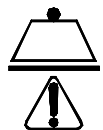
Alerts the reader about a situation, which if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

CAUTION

Alerts the reader of a potentially hazardous situation, which if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

NOTE

This provides special information to make maintenance easier or important instructions clearer.



Safe Working Load

Preventative Maintenance

CHECKLIST

- _____ All fasteners secure
- _____ Siderails move and latch properly – securing pins and screws are intact
- _____ Engage brake pedal and push on the stretcher to ensure all casters lock securely ([page 13](#))
- _____ All casters secure and swiveling properly
- _____ Steer function working properly
- _____ Fowler operating properly
- _____ Trendelenberg/Reverse Trendelenberg operating properly
- _____ No rips or cracks in mattress cover
- _____ No leaks at hydraulic connections
- _____ Hydraulic jacks holding properly
- _____ Hydraulic drop rate set properly
- _____ Hydraulic oil level sufficient
- _____ I.V. pole intact and operating properly
- _____ Oxygen bottle holder intact
- _____ Accessories and mounting hardware in good condition and operating properly
- _____ Lubricate where required, including the brake adjuster assembly, the brake cam, and the pump bar pivot brackets ([page 13](#))

Serial No. _____

Completed By: _____ Date: _____

NOTE

Preventative maintenance should be performed at a minimum of annually. A preventative maintenance program should be established for all Stryker Medical equipment. Preventative maintenance may need to be performed more frequently based on the usage level of the product.

Cleaning

Hand wash all surfaces of the stretcher with warm water and mild detergent. DRY THOROUGHLY. Do not steam clean, pressure wash, hose off or ultrasonically clean. Using these methods of cleaning is **not** recommended and may void this product's warranty.

Suggested cleaners for stretcher surfaces:

Quaternary Cleaners (active ingredient – ammonium chloride)

Phenolic Cleaners (active ingredient – o-phenylphenol)

Chlorinated Bleach Solution (5.25% – less than 1 part bleach to 100 parts water)

Avoid oversaturation and ensure the product does not stay wet longer than the chemical manufacturer's guidelines for proper disinfecting.



CAUTION

SOME CLEANING PRODUCTS ARE CORROSIVE IN NATURE AND MAY CAUSE DAMAGE TO THE PRODUCT IF USED IMPROPERLY. If the products described above are used to clean Stryker patient care equipment, measures must be taken to insure the beds are wiped with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void this product's warranty.

For mattress cleaning instructions, please see the tag on the mattress, or contact the mattress manufacturer.

Clean Velcro® AFTER EACH USE. Saturate Velcro® with disinfectant and allow disinfectant to evaporate. (Appropriate disinfectant for nylon Velcro® should be determined by the hospital.)

Service Information

PNEUMATIC FOWLER ADJUSTMENT

Required Tools:

5/32" Hex Allen Wrench 1/2" Open End Wrench

Adjustment Procedure:

1. Refer to drawing 1080–31–120 (Pneumatic Fowler Assembly, [page 31](#)) for parts reference.
2. For easier access, move Fowler to 75 degrees or higher.
3. Using a 1/2" open end wrench, loosen the nuts (item E) in the actuator arms on the end of the trip bar (N).
4. To adjust the Fowler, use a 5/32" hex Allen wrench to turn the Allen screws (item G) 1 to 2 turns counter-clockwise if the Fowler will not move or 1 to 2 turns clockwise if the Fowler will not hold its position.
5. Retighten the nuts. Be sure the Fowler will travel from flat to 90 degrees and down again and will hold its position when weight is applied before returning the stretcher to service.

FOLDDOWN SIDERAIL LATCH ADJUSTMENT

Required Tools:

1/8 Hex Allen Wrench

WARNING

The siderail latch adjustment is pre-set at the factory, and there should not normally be a need for readjustment. If adjustment must be done it is important to follow the procedure below. If it is not done properly, injury to the patient or user could occur.

Adjustment Procedure:

1. Using a 1/8 hex Allen wrench, adjust the hex Allen screw located on the latch assembly opposite the latch. Turning the Allen screw clockwise will **DECREASE** the amount of "play" in the latching mechanism. Turning counterclockwise will **INCREASE** the amount.

NOTE

The amount of "play" in the siderail, when in full up engaged position, should be approximately 1/8 to 3/16 inches.

CAUTION

Too much "play" when the siderail is in the full up engaged position will give the siderail the appearance of being unstable and could also cause premature wearing of the latch system. Too little "play" will obstruct the latch and keep it from engaging completely in the full up position, which may cause damage to the latch and/or injury to the patient or user.

Service Information

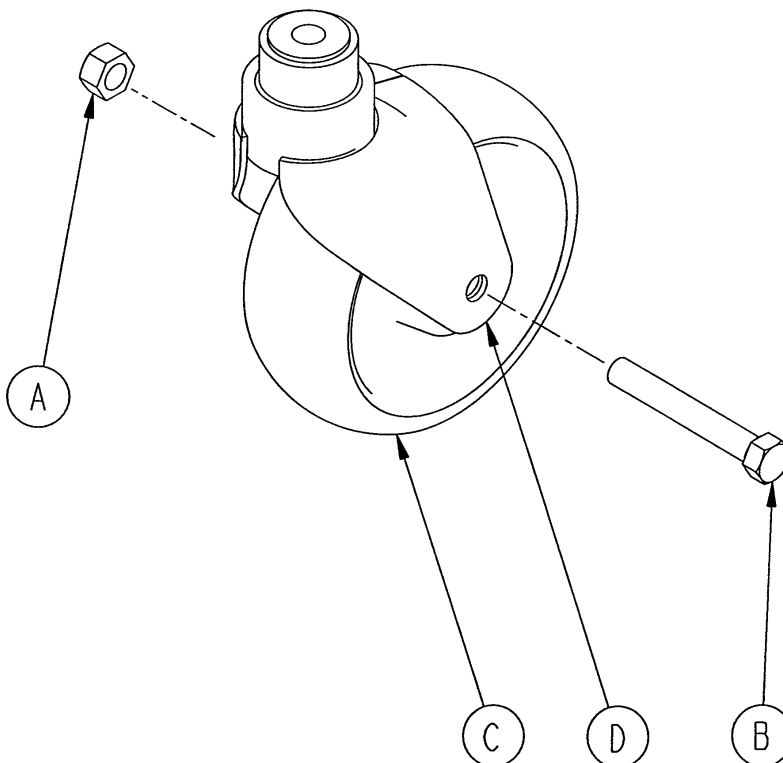
CASTER MAINTENANCE

Required Tools:

5/8" Wrench

11/16" Wrench

MAINTENANCE PROCEDURE



1. Using the 5/8" wrench and the 11/16" wrench, remove the centerlock nut (item A) from the through bolt (item B) for the caster wheel.
2. Support the corner of the stretcher where the wheel is being removed and remove the through bolt (item B) and the molded wheel (item C) .
3. Clean the through bolt, molded wheel, and the inside of the caster horn (item D) removing any dirt and debris. Ensure the bearings in the molded wheel spin freely and easily.
4. Replace the molded wheel and the through bolt.
5. Replace the centerlock nut on the through bolt and use the 5/8" and 11/16" wrenches to tighten it securely.

Service Information

BRAKE CAM REPLACEMENT

Required Tools:

1/8" Allen Wrench

String or Bungee Cord

3/32" Allen Wrench

Procedure:

1. Lift and support the base hood using string or bungee cord.
2. Using a 3/32" Allen wrench, loosen the set screw holding the brake adjuster to the brake ring and turn the adjuster clockwise to remove it.
3. Using a 1/8" Allen wrench, remove the shoulder bolt and nut holding the brake link on the cam and remove the cam.
4. Reverse steps 3 and 4 to install the new cam. Apply and release the brakes to assure they operate properly. If adjustment is required, see [page 13](#). Reinstall the base hood.

BRAKE RING REPLACEMENT

Brake Ring Part Number 1080-2-50

Required Tools:

(2) 7/16" Wrenches

String or Bungee Cord

Floor Jack, Small Crate (or equiv.)

Large Standard Screwdriver

3/32" Allen Wrench

3/4" Socket & Ratchet

3/4" Wrench

Needle-Nose Pliers

Procedure:

1. Lift and support the base hood using string or bungee cord. Put the brake/steer pedal in the neutral position. Lift the end of the base needing service until the casters are approximately 12" off the floor and support it with a jack or the equivalent.
2. Using a 3/32" Allen wrench, loosen the set screw holding the brake adjuster to the brake ring and turn the adjuster clockwise to remove it.
3. Remove both of the caster wheels on the end of the stretcher needing service (see [page 6](#)). Use a 3/4" socket and a ratchet inside the caster horn and a 3/4" wrench on the caster nut to remove the bolt and the caster horn.
4. Using needle-nose pliers, carefully squeeze and remove the spring between the brake cam and the brake ring.

WARNING

The spring is tightly compressed. Use caution when removing it or personal injury could result.

5. Remove the spring from the pump pedal.
6. Lower the brake ring and remove it from the base. Remove the brake pads and bushings and install them on the new brake ring.
7. Reverse the above steps to install the new brake ring and reinstall the caster and wheel. Apply and release the brakes to assure they operate properly. If adjustment is required, see [page 13](#). Reinstall the base hood.

NOTE

For easier access when installing the set screw holding the brake adjuster, be sure the set screw hole in the brake ring collar is facing toward the inside of the base when installing the new brake ring.

Service Information

BRAKE/STEER PEDAL REPLACEMENT

Required Tools:

Two (2) 7/16" Wrenches
Hammer

3/16" Drive Pin
3/8" Box End Wrench

Loctite 409 or Equivalent
Bungee Cords or String

Replacement Procedure:

NOTE

It may require two people to safely perform this procedure.

1. Apply the brakes, if possible, with the remaining good brake/steer pedal. If this is not possible, have someone assist you with the following: Using a large wrench or pry tool, push down on the brake bar (compressing the spring) and manually move the molded plastic brake cam over to the brake position at both ends of the base.
2. Raise the litter to full up. Raise the Fowler and the siderails.
3. Suspend the base hood from the litter and out of the way with bungee cords. Or, for better access, remove the litter by following the next 3 steps.
4. Using a 3/8" wrench, remove the bolt in the litter support tube above the black bellows on both ends.
5. With the assistance of another person, lift off the stretcher litter and set it aside, taking care not to damage the litter components.
6. Lift off the plastic base hood, separating the Velcro holding it to the base frame.
7. Using the 7/16" wrenches, remove the bolt, nut and washers holding the square brake drive link assembly on the brake actuator on both sides of the base.
8. While lifting one end (head or foot) of the base, rotate the brake/steer pedal so its bottom is facing up.
9. Use a hammer and 3/16" drive pin to remove the groove pin from the plastic brake/steer pedal. Be sure that you are driving the pin out *from the bottom* of the pedal *towards the top* of the pedal.
10. Once the groove pin has been removed, remove the brake/steer pedal from the brake rod (use of a hammer may be required).
11. Repeat step 8 so the brake actuators are upright.
12. Fit the replacement brake/steer pedal onto the brake rod.
13. Align the holes in the brake/steer pedal with the holes in the brake rod. Apply Loctite #409 to the replacement groove pin and use a hammer to install it. Drive the pin in *from the top* of the pedal until it is flush to the top of the pedal.
14. Reverse step 7 to reattach both brake drive link assemblies to the base (When the pedal is reconnected it will already be in the brake position).
15. Actuate the brake/steer pedal to ensure the unit functions fully in brake, neutral and steer modes.
16. Reinstall the base hood, securing it to the Velcro.
17. With the assistance of another person, place the litter back on the base (if necessary).
18. Use a 3/8" wrench to install the bolts in the litter support tubes above the black bellows on both ends of the litter.

Service Information

HYDRAULIC SYSTEM TROUBLESHOOTING

PROBLEM/SYMPTOM	POSSIBLE CAUSE	SOLUTION
Jack will not raise to full height.	Reservoir low on hydraulic fluid.	Add hydraulic fluid (see page 12).
One end of stretcher rises much slower than the other end.	Air in pump piston.	Prime pump (see page 12)).
	Reservoir low on hydraulic fluid.	Add hydraulic fluid (see page 12)).
Jack will not pump up.	Lever assembly is in contact with valve stem on manifold assembly.	Adjust length of control rod so there is a slight gap between lever and valve stem.
	Air in pump piston.	Prime pump (see page 12)).
	Defective jack.	Replace jack.
Jack will not hold in raised position.	Lever assembly is in contact with valve stem on manifold assembly.	Adjust length of control rod so there is a slight gap between lever and valve stem.
	Defective valve.	Fully elevate jack. Close needle valve by turning clockwise. If jack no longer sinks, needle valve is defective. Replace needle valve (part # 962–1–152).
	Defective jack.	Fully elevate jack. Close needle valve by turning clockwise. If jack continues to sink, jack is defective. Replace jack.
	Internal leakage of oil past a valve or seal.	Assure all valves are fully closed by depressing and releasing appropriate pedal. Assure there is a slight gap between the lever assembly and the valve stem. Close the needle valve completely. If the jack holds, the leakage is in the release valve and the valve should be replaced.
Jack will not lower.	Valve support is loose and out of position.	Reposition valve support and tighten screws.

Contact Stryker technical service at 1–800–327–0770 for further assistance.

Service Information

JACK REPLACEMENT

Required Tools:

7/16" Wrench
5/32" Allen Wrench
1/2" Wrench

7/16" Socket
3/8" Box End Wrench
3/16" Allen Wrench

6" Extension & Ratchet
Bungee Cords or String
Spring Compression Tool

Refer to assembly drawing number 1080-1-10, [pages 15-19](#) for part identification.

Replacement Procedure:

1. Apply the stretcher brakes. Using a 3/8" box end wrench, remove square head set screws from both head and foot end jack support tubes. Remove litter top and set aside.
2. Lift up the base hood at the end of the stretcher needing service, separating the Velcro holding the hood to the base frame and remove the base hood from the stretcher base.
3. Using a 1/2" wrench, remove the screws (item DT), external tooth lock washers (item DC), and nylock nuts (item CS) holding the pump link roller bar assembly (items K, L, & BU) to the base.
4. Using a 1/2" wrench and a 3/16" Allen wrench, remove the shoulder screws (item DP), washers (item DA) and nylock nuts (item CS) holding the link to the pump bar weldment (item N).
5. Use the spring compression tool (p/n 1210-1-3) to compress the spring or the pump piston could be pulled out of the pump resulting in excessive hydraulic fluid loss. Using a 1/2" wrench, remove the nylock nut (item CS) and the washer (item DA) from the base stud and remove the two pump links (item S & T) which are still attached to each other.
6. With the spring compression tool still in place, remove the pump link weldment (item M). Carefully remove the spring compression tool.

WARNING

Use extreme caution when removing the pump compression tool. The spring and top spring guide are still under pressure and could cause personal injury if they are allowed to come free.

7. Remove the spring guide (item AZ), the spring (item CB), the spring holder guide (item AY) and the jack washer from the jack pump.
8. Using two 1/2" wrenches, remove the screws (item DT), lock washers (item DC), and nylock nuts (item CS) holding the jack support bracket (item AM) to the frame.
9. Using a 3/8" wrench and a 5/32" Allen wrench, remove the screws (item DS) and nylock nuts (item CU) holding the jack manifold to the base.
10. Using a 7/16" wrench, a 7/16" socket, and a 6" extension with ratchet, remove the screws (item DW), washers (item DH), and nylock nuts (item CT) holding the jack assembly to the base.
11. Install the replacement jack assembly and secure it with the four screws, washers and nuts.
12. Using a 3/8" wrench and a 5/32" Allen wrench, mount the jack manifold to the base with the two screws and nylock nuts. Put the release valve stop ring (item BF) onto the descent valve plunger. Turn the descent valve clockwise to close it completely then open it one half turn (counterclockwise).

Service Information

JACK REPLACEMENT (CONTINUED)

Replacement Procedure (Continued):

13. Place the jack support bracket on the jack. Use a 1/2" wrench to secure it to the jack with the screws, lock washers and nylock nuts removed in step 8. To avoid damage to the base hood, insert the screws from the outside of the frame and the lock washers and the nuts on the inside.

CAUTION

Tighten the support bracket screws securely. Do not over tighten the screws or the jack reservoir tube could be damaged.

14. Install the jack washer (item BR) onto the new jack. Apply grease to the bottom spring holder guide (item AY). Place the bottom spring holder guide, the spring (item CB) and the top spring holder guide onto the jack pump. Compress the spring with the spring compression tool (part number 1210-1-3).
15. Reinstall the pump link (item M) into the hole in the pump piston. Apply grease to the base where the pump link contacts it.
16. Reinstall the links removed in step 5 to the base stud. Be sure the lower pump link pin is through the center hole of the horizontal link (item S) and the swing link (item T) on the correct side of the horizontal link (opposite the side the pump link is on). Install the washer (item DA) and the nylock nut (item CS) onto the base stud (over the horizontal link) and tighten them securely being sure the link still pivots freely.
17. Using a 1/2" wrench, reattach the roller bar assembly (items K, L, & BU – removed in step 3) with the hardware (items DT, DC, & CS). Replace the bearings in the ends of the roller bar, if necessary. The roller bar assembly should be firmly against the pump link. To avoid damage to the base hood, insert the screw from the outside of the frame and the lock washer and the nut on the inside.
18. With a 1/2" wrench and a 3/16" Allen wrench, assemble the swing link (item T) to the pump bar weldment (item N) using the shoulder screw (item DP), washer (item DA), and nylock nut (item CS).
19. Pump up the jack to the maximum height. Apply weight and ensure the jack holds its position and there are no hydraulic leaks before replacing the base hood and the litter. Reinstall the base hood and the litter top. Test the stretcher for proper operation before putting it back into service.

Service Information

CHECKING HYDRAULIC FLUID LEVEL

1. Lower jack completely.
2. Remove fill plug on side of jack.
3. The hydraulic fluid should be visible at the bottom of the fill hole. If it is not, add Mobil Aero HFA hydraulic fluid (Stryker p/n 2020–70–475) until the fluid is visible at the bottom of the fill hole. Replace the fill plug.

CAUTION

Use of other types of oil may damage hydraulic units.

PRIMING PUMP

1. Remove the pump link and the spring (see [page 10](#), steps 1–6).

CAUTION

Pump link is spring loaded.

2. To remove air, actuate pump by hand, making sure the pump piston bottoms. Reassemble (see [page 10 & 11](#)) and check for leaks.

REMOVAL OF EXCESS AIR (VACUUM) FROM THE HYDRAULIC SYSTEM

Procedure:

1. Verify all hydraulic linkages are secure and operating properly.
2. Using pump pedal, actuate system several times. This will force the air through the system and the jack should now pump up.

MATTRESS MAINTENANCE

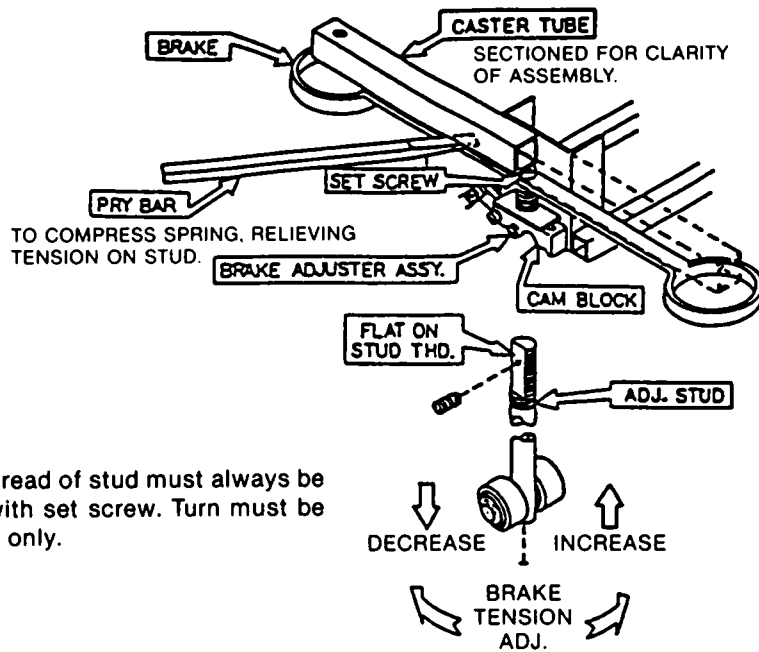
1. Mattresses should be routinely checked to ensure they are free of cracks or tears in the covers and that the Velcro on the mattress as well as the litter is in good condition.
2. If any of the litter Velcro needs to be replaced, remove the damaged Velcro from the litter and replace it with part number 381–24–7 cut to length.

Service Information

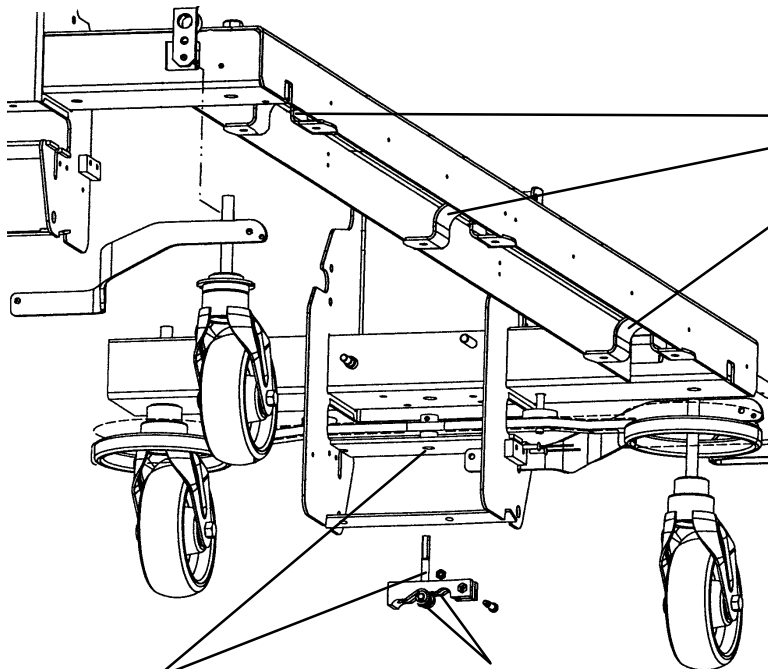
BRAKE ADJUSTMENT

Required Tools:

3/32" Hex Allen Wrench
Pry Bar



BASE LUBRICATION POINTS



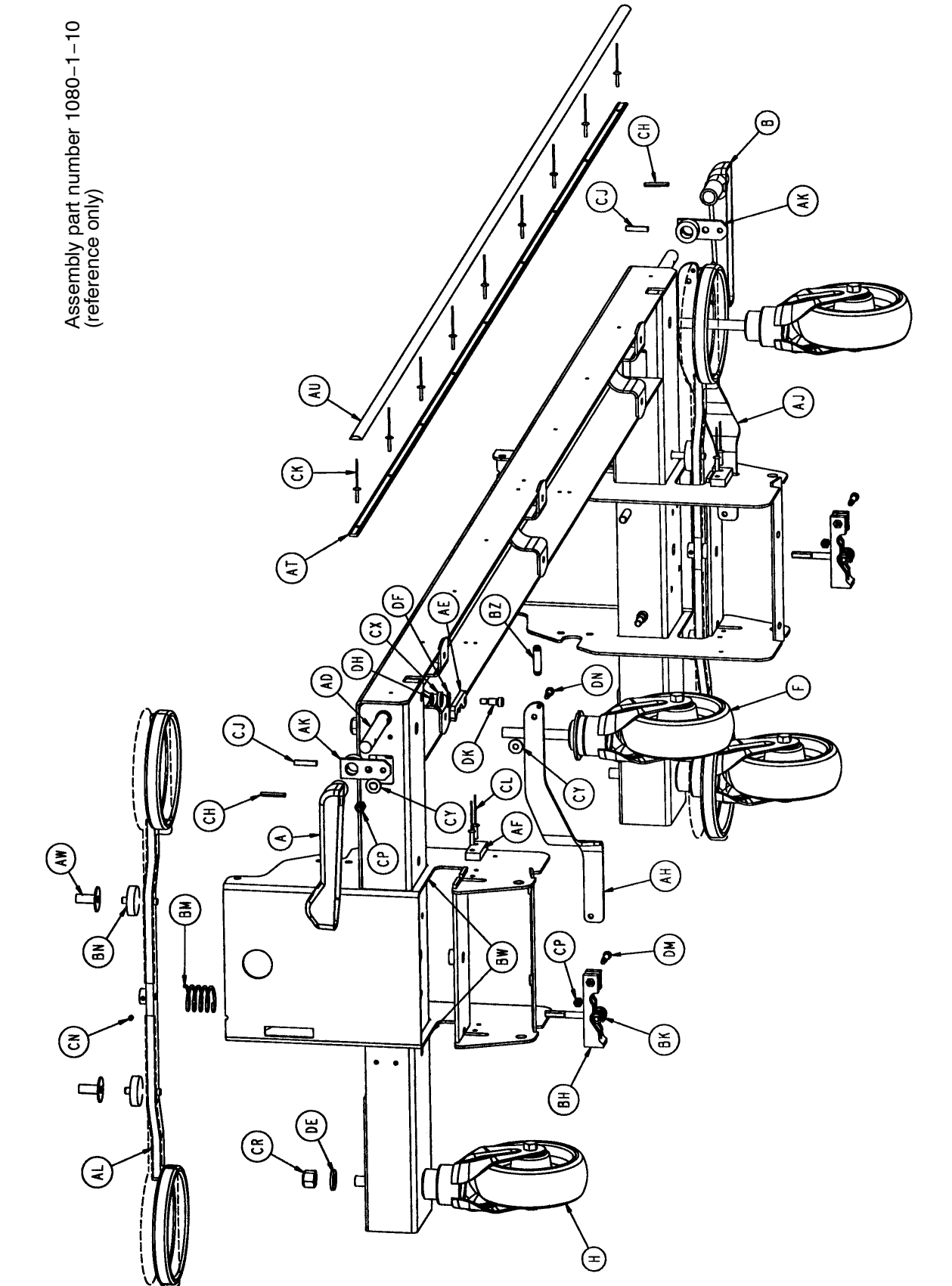
Remove retaining plates, lift the pump bar weldment and grease the pump bar pivot brackets. Grease retaining plates where they come in contact with the pump bar before replacing them.

1. Lubricate brake adjuster rod around areas shown at both ends of the stretcher with MPG-2 grease or the equivalent.

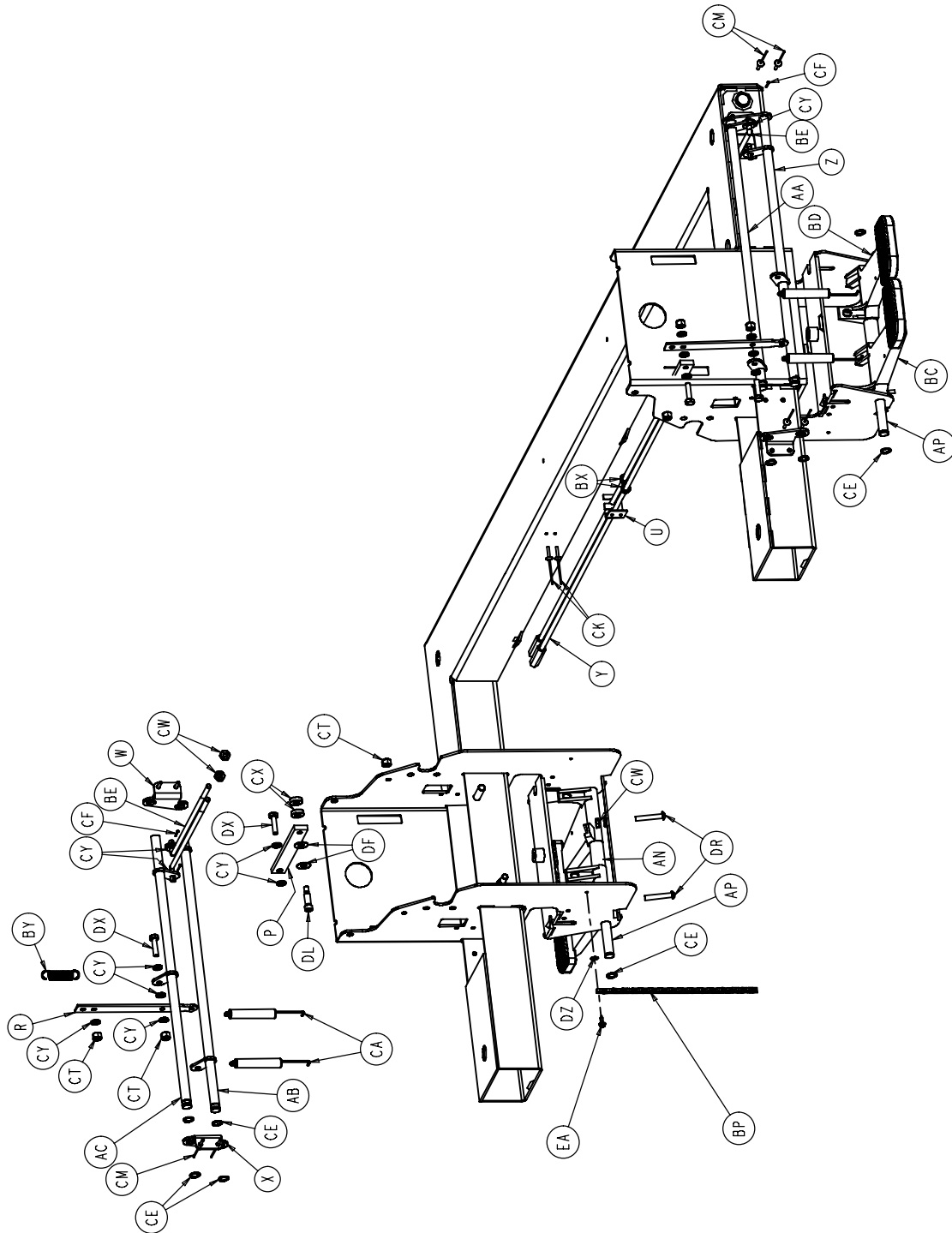
Do not grease area shown.

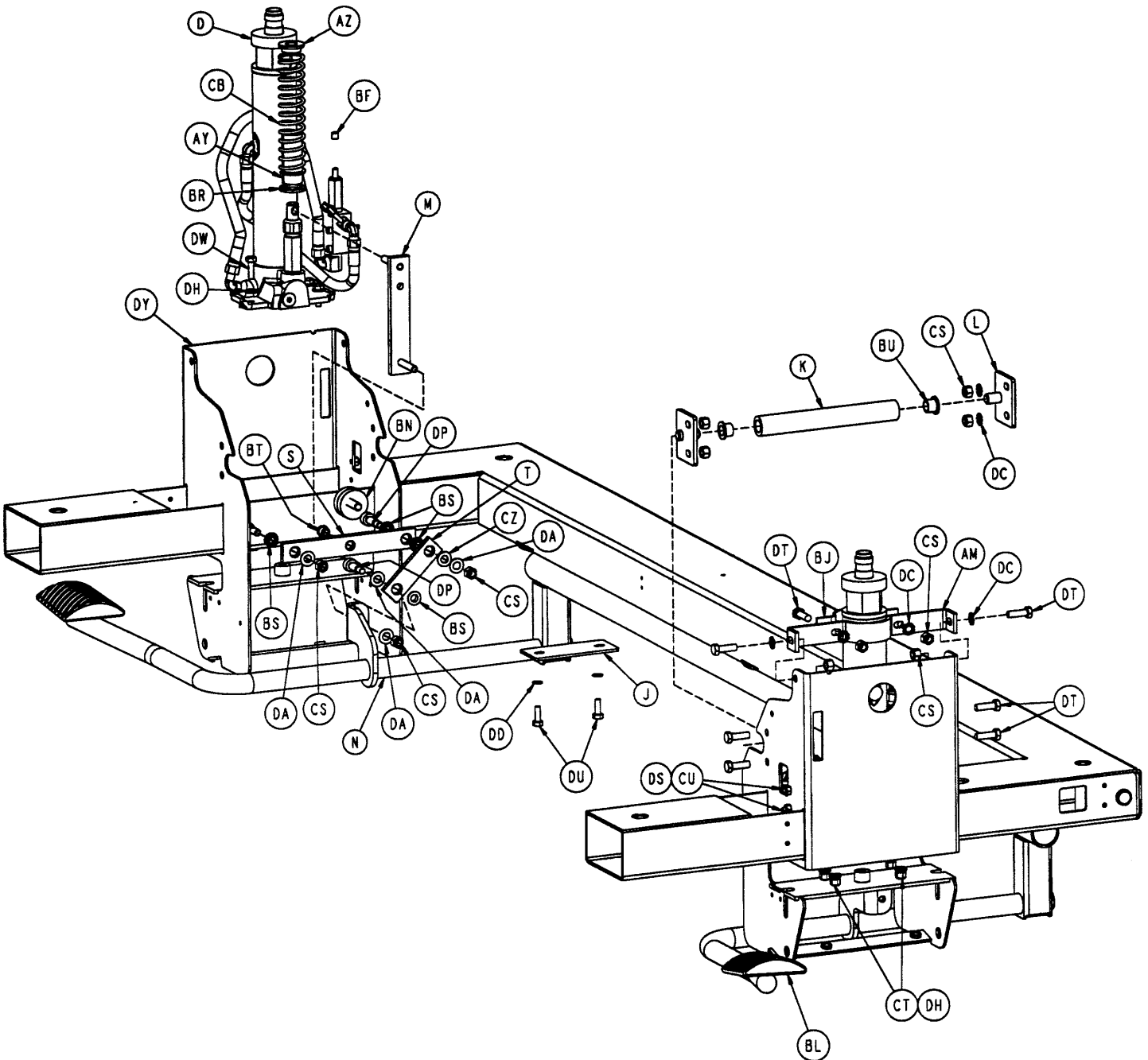
Quick Reference Replacement Parts List

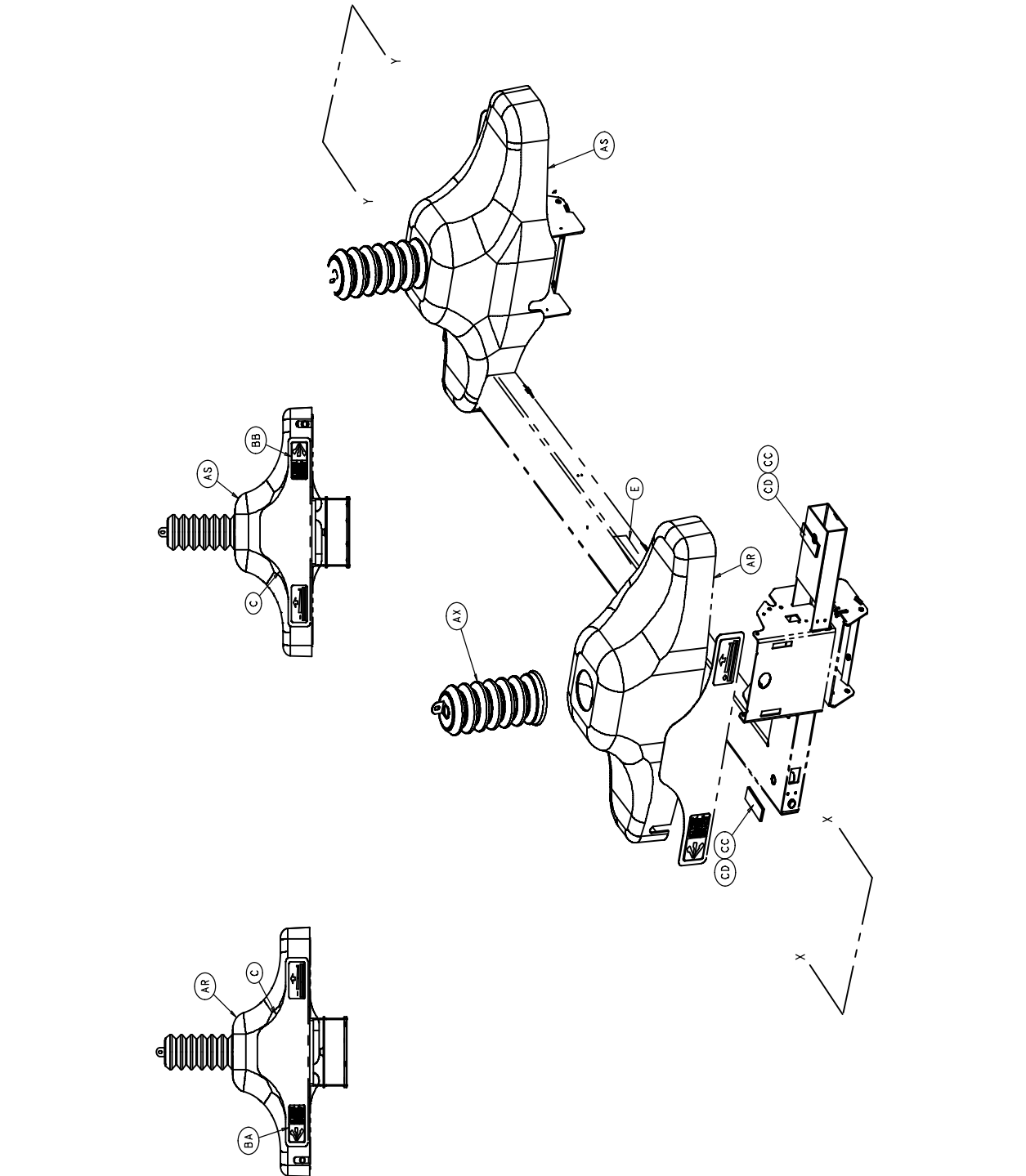
<u>PART NAME</u>	<u>PART NUMBER</u>
Brake Adjuster Assembly	715-201-150
Brake Adjuster Service Tool	715-700-150
Caster Wheel Assembly	1080-5-10
Foot Board/Chart Holder	1080-134
Fowler Pneumatic Cylinder	1010-31-78
Hydraulic Jack Assembly	1080-70-10
Jack Seal Kit	390-2-183
Jack Release Valve Assembly	962-1-152
Jack Pump Spring Compression Tool	1210-1-3
I.V. Pole, Standard Removable	390-25
I.V. Pole, Permanently Attached, Head End	1080-110
I.V. Pole, Permanently Attached, Foot End	1080-112
Oxygen Bottle Holder	1020-30
Mattress, 2" Conductive	1080-226-210
Paint, Touch-Up, Gloss Black, Bottle w/Brush	7000-1-322
Paint, Touch-Up, Gloss Black, Spray Can	7000-1-319
Paint, Touch-Up, Gray, Bottle w/Brush	7000-1-320
Paint, Touch-Up, Gray, Spray Can	7000-1-317
Restraint Straps, Ankle	946-43
Restraint Straps, Body	390-19
Restraint Straps, Wrist	946-44
Restraint Straps, Full Patient Restraint Package	1010-77



Base Assembly



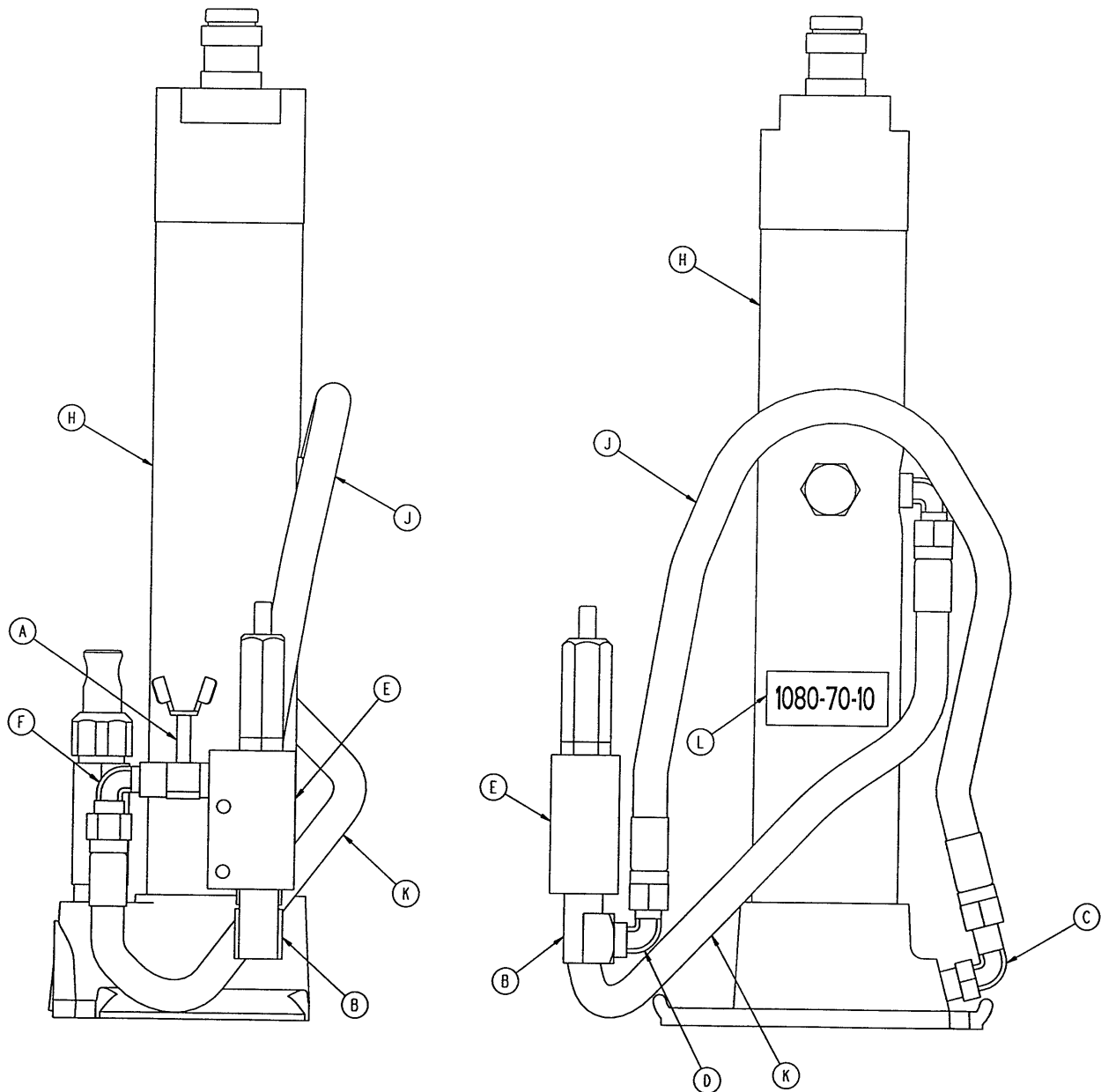




Base Assembly

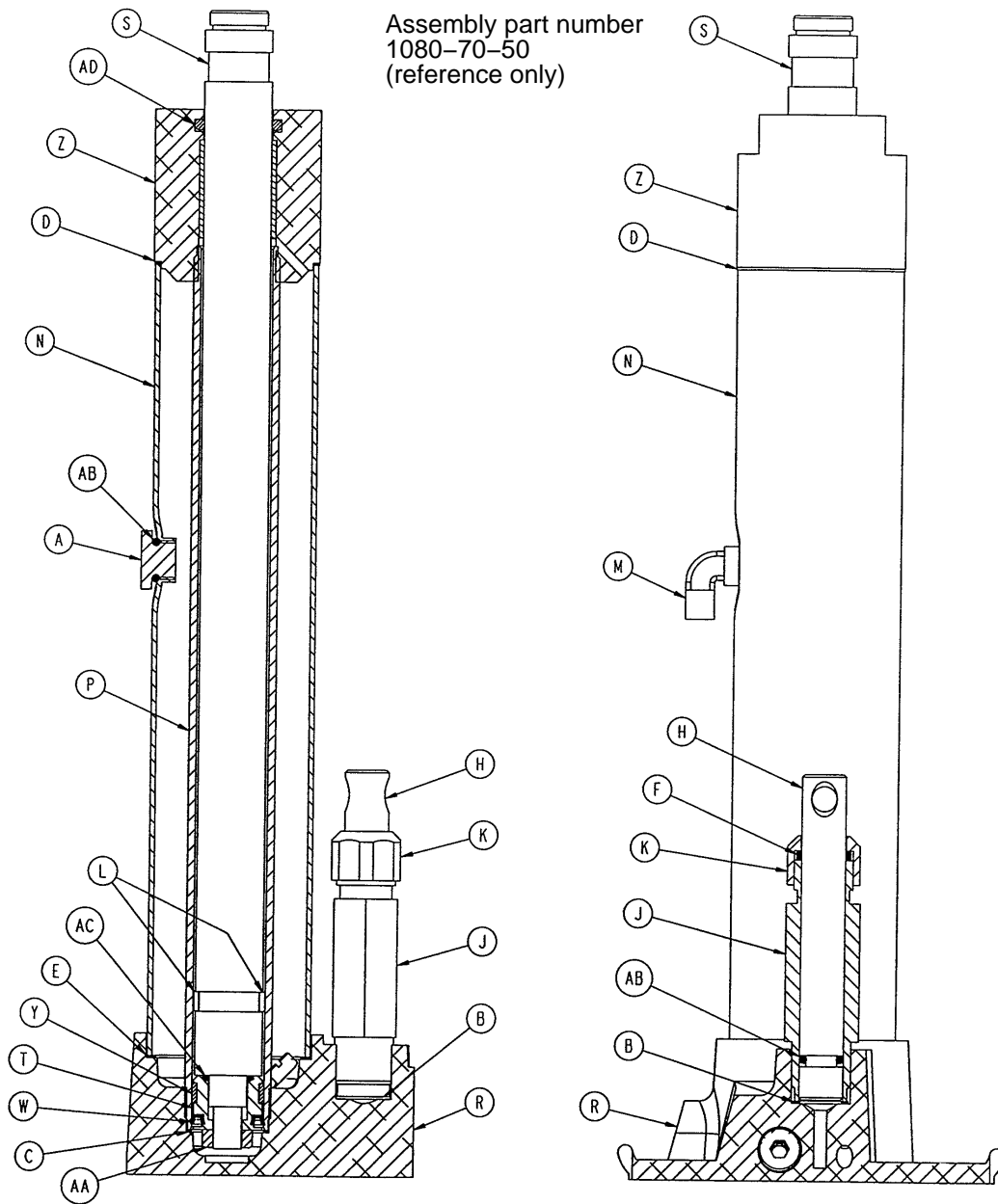
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	1210-1-346	Brake/Steer Pedal, Head	1	BL	715-1-126	Pump Pedal Pad	2
B	1210-1-345	Brake/Steer Pedal, Foot	1	BM	715-1-94	Brake Bar Comp. Spring	2
C	1080-90-1	Control Label	2	BN	715-1-11	Brake Cushion	8
D	(page 20)	Hydraulic Jack Ass'y	2	BP	3001-200-52	Ground Chain	1
E	1080-30-40	Specification Label	1	BR	390-1-67	Jack Washer	2
F	(page 24)	Steerlock Caster Ass'y	1	BS	81-240	Flange Bearing	8
H	(page 23)	Caster Assembly	3	BT	81-222	Flange Bearing	2
J	1080-4-94	Pump Bar Retaining Plate	3	BU	81-213	Flange Bearing	4
K	1080-4-88	Pump Link Roller Bar	2	BW	58-56	Edge Cover	.75'
L	1080-4-55	Roller Supt. Mtg. Plate	4	BX	52-245	Nyliner Bushing	4
M	1080-4-54	Pump Link Weldment	2	BY	38-356	Upper Rel. Ext. Spring	2
N	1080-4-50	Pump Pivot Bar Wldmnt.	1	BZ	38-355	Steerlock Ext. Spring	1
P	1080-3-94	Hyd. Valve Release Lever	2	CA	38-353	Rel. Ped. Vert. Ext. Spring	4
R	1080-3-93	Release Link	2	CB	38-246	Jack Compression Spring	2
S	1080-3-82	Horizontal Pump Link	2	CC	29-9	Dual Lock	8
T	1080-3-81	Release Swing Link	2	CD	29-7	Dual Lock	8
U	1080-3-80	Rel. Rod Supt. Bracket	2	CE	28-97	Retaining Ring	12
W	1080-3-78	Rel. Pivot Brkt. Wldmt., Rt.	2	CF	27-4	Cotter Pin	4
X	1080-3-77	Rel. Pivot Brkt. Wldmt., Lt.	2	CH	26-196	Groove Pin	2
Y	1080-3-57	Transfer Rod Weldment	2	CJ	26-13	Roll Pin	2
Z	1080-3-53	Ft. End Lower Rel. Wldmt.	1	CK	25-103	Rivet	14
AA	1080-3-52	Ft. End Upper Rel. Wldmt.	1	CL	25-86	Rivet	4
AB	1080-3-51	Hd. End Lower Rel. Wldmt.	1	CM	25-79	Rivet	8
AC	1080-3-50	Hd. End Upper Rel. Wldmt.	1	CN	21-50	Set Screw	2
AD	1080-2-98	Brake Rod	1	CP	16-59	Flexlock Nut	4
AE	1080-2-94	Steerlock Plate	1	CR	16-57	Nylock Nut	4
AF	1080-2-93	Pull Bar Guide Bushing	2	CS	16-36	Nylock Nut	20
AH	1080-2-92	Steer/Brake Pull Bar, Ft.	1	CT	16-28	Nylock Nut	14
AJ	1080-2-91	Steer/Brake Pull Bar, Hd.	1	CU	16-3	Nylock Nut	4
AK	715-1-165	Actuator Plate Weldment	2	CW	15-11	Jam Nut	8
AL	1080-2-50	Brake Ring Weldment	2	CX	14-70	Nylon Washer	4
AM	1080-1-89	Jack Support Bracket	2	CY	14-46	Nylon Washer	20
AN	1080-1-88	Release Pedal Spacer	2	CZ	14-21	Nylon Washer	2
AP	1080-1-87	Release Rod Pivot Rod	2	DA	14-20	Nylon Washer	8
AR	1080-1-85	Foot End Hood	1	DC	13-38	Ext. Tooth Lock Washer	16
AS	1080-1-84	Head End Hood	1	DD	13-10	Ext. Tooth Lock Washer	6
AT	1080-1-78	Bumper Channel	1	DE	11-310	Washer	4
AU	1010-700-75	Bumper Strip	1	DF	11-179	Washer	7
AW	946-1-116	Brake Bushing	4	DH	11-63	Washer	17
AX	926-1-48	Bellows	2	DK	8-49	Soc. Hd. Shoulder Bolt	1
AY	763-1-16	Bottom Spring Guide	2	DL	8-27	Soc. Hd. Shoulder Bolt	2
AZ	715-1-133	Collar	2	DM	8-21	Soc. Hd. Shoulder Bolt	2
BA	721-31-45	Brake/Steer Label, Foot	1	DN	8-17	Soc. Hd. Shoulder Bolt	2
BB	721-31-44	Brake/Steer Label, Head	1	DP	8-4	Soc. Hd. Shoulder Bolt	4
BC	716-1-294	Release Pedal, Right	2	DR	4-135	But. Hd. Cap Screw	4
BD	716-1-293	Release Pedal, Left	2	DS	4-85	Soc. Hd. Cap Screw	4
BE	716-1-75	Release Rod	4	DT	3-85	Hex Hd. Cap Screw	16
BF	715-1-333	Rel. Valve Stop Sleeve	2	DU	3-50	Hex Hd. Cap Screw	6
BH	715-201-221	Molded Brake Cam	2	DW	3-15	Hex Hd. Cap Screw	8
BJ	715-1-193	Jack Clamp	2	DX	3-3	Hex Hd. Cap Screw	4
BK	(page 26)	Brake Adjuster Assembly	2	DY	1080-1-50	"C" Base Frame Wldmt.	1
				DZ	13-18	Tooth Lock Washer	1
				EA	3-364	Hex Washer Head Screw	1

1080-70-10 Jack & Control Assembly



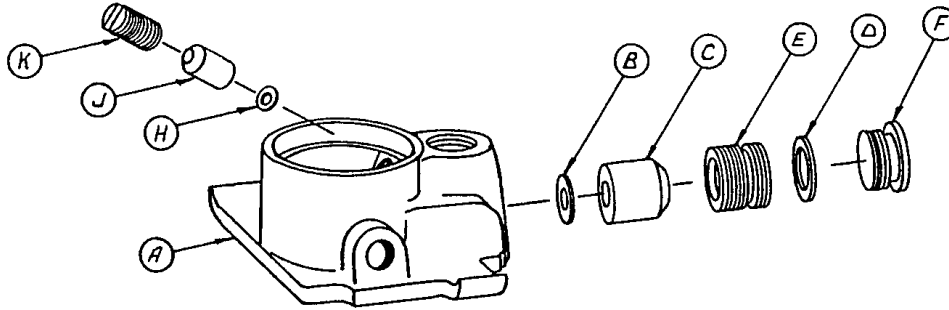
Item	Part No.	Part Name	Qty.
A	48-13	Needle Valve	1
B	48-127	90 Degree Street Elbow	1
C	48-146	90 Degree Elbow	1
D	390-2-147	L-Fitting	1
E	962-1-59	Manifold Assembly	1
F	988-70-456	90 Degree Elbow	1
H	(page 21)	Jack Assembly	1
J	1080-70-98	Pressure Line	1
K	1080-70-99	Return Line	1
L	1080-90-2	Label	1

1080-70-10 Jack Assembly

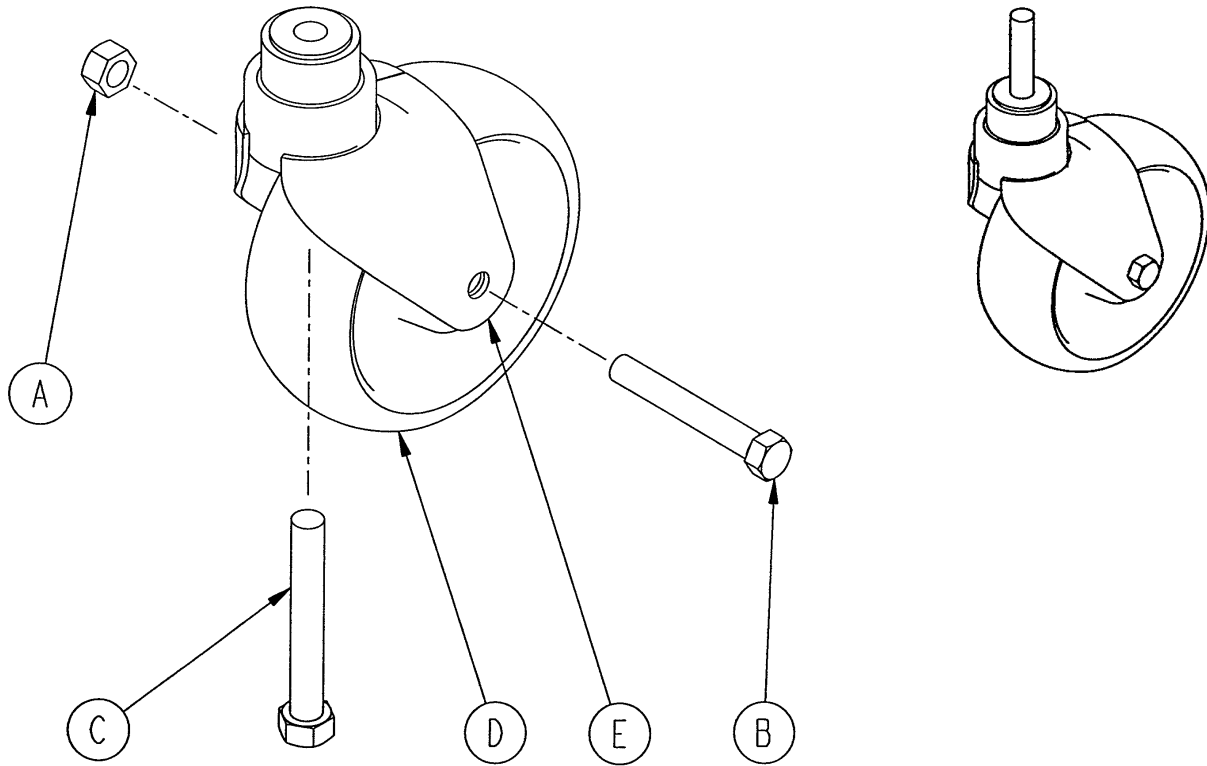


Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	388-1-38	Plug	1	P	921-27-12	Actuator Cylinder	1
B	390-1-237	Pump Gasket	1	R	(page 22)	Jack Base Assembly	1
C	390-1-238	Actuator Gasket	1	S	926-20-127	Actuator	1
D	390-1-243	Gasket	1	T	926-20-160	Piston End	1
E	390-1-244	Base Gasket	1	W	926-20-161	Parker Packing	1
F	390-2-128	Packing	1	Y	926-20-162	Wear Ring	1
H	390-2-135	Pump Piston	1	Z	938-1-31	Cap Assembly	1
J	390-2-136	Pump Cylinder	1	AA	15-13	Hex Nut	1
K	390-2-137	Pump Cap	1	AB	45-110	O-Ring	2
L	390-2-139	Retaining Ring	2	AC	45-14	O-Ring	1
M	390-2-147	L-Fitting	1	AD	45-904	O-Ring	1
N	921-27-11	Reservoir	1				

926-1-295 Jack Base Assembly

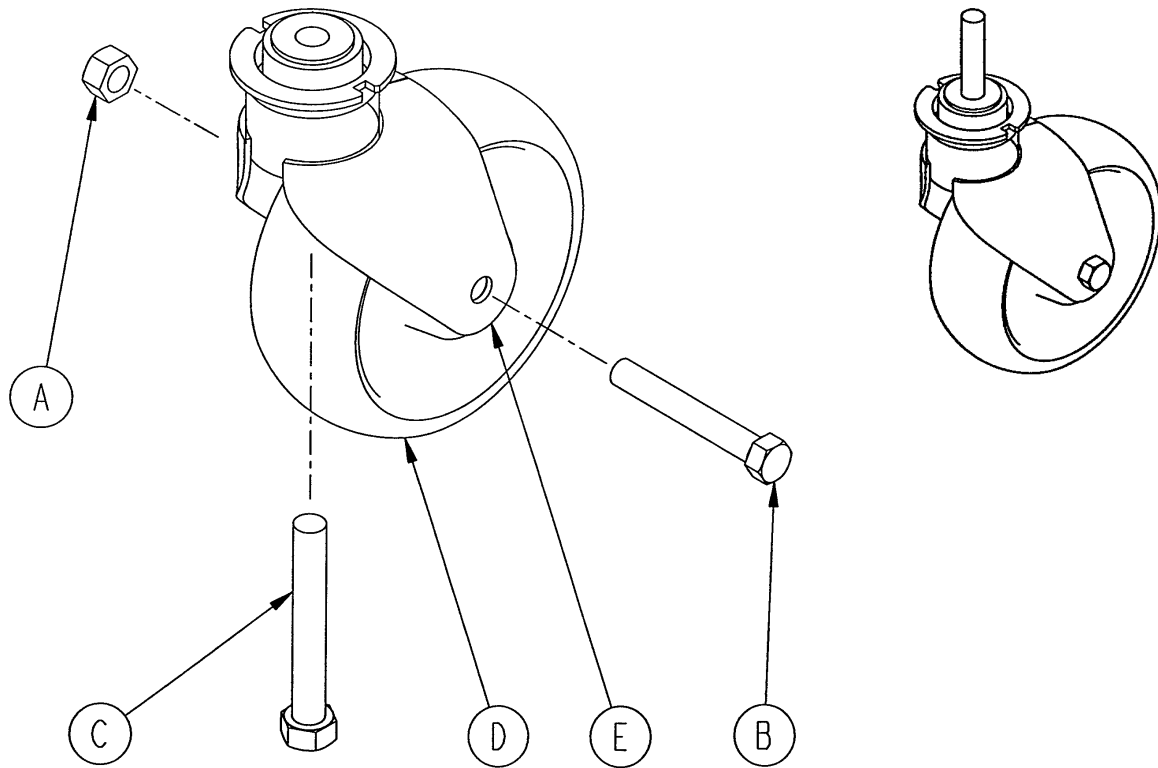


Item	Part No.	Part Name	Qty.
A	946-1-291	Jack Base	1
B	926-20-154	Seal	1
C	926-20-153	Check Valve	1
D	926-20-156	Seal	1
E	926-20-159	Valve Plug	1
F	926-20-157	Base Plug	1
H	926-20-155	Seal	1
J	926-20-152	Check Valve	1
K	926-20-158	Reservoir Plug	1



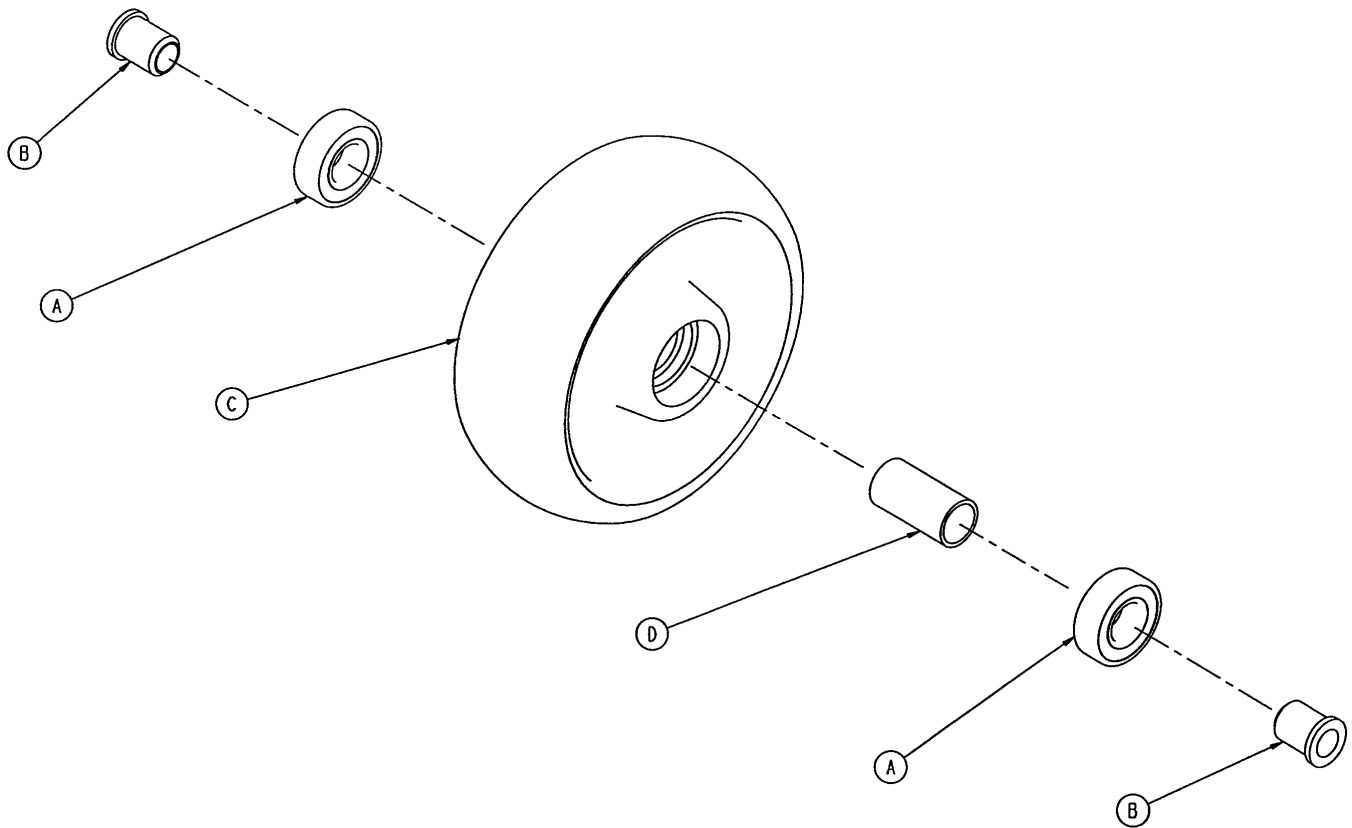
Item	Part No.	Part Name	Qty.
A	16-60	Hex Nut	1
B	3-205	Hex Cap Screw	1
C	3-215	Hex Cap Screw	1
D	(page 25)	Molded Wheel Assembly	1
E	5050-2-30	Caster Horn Assembly	1

1080-5-11 Steer Caster Assembly



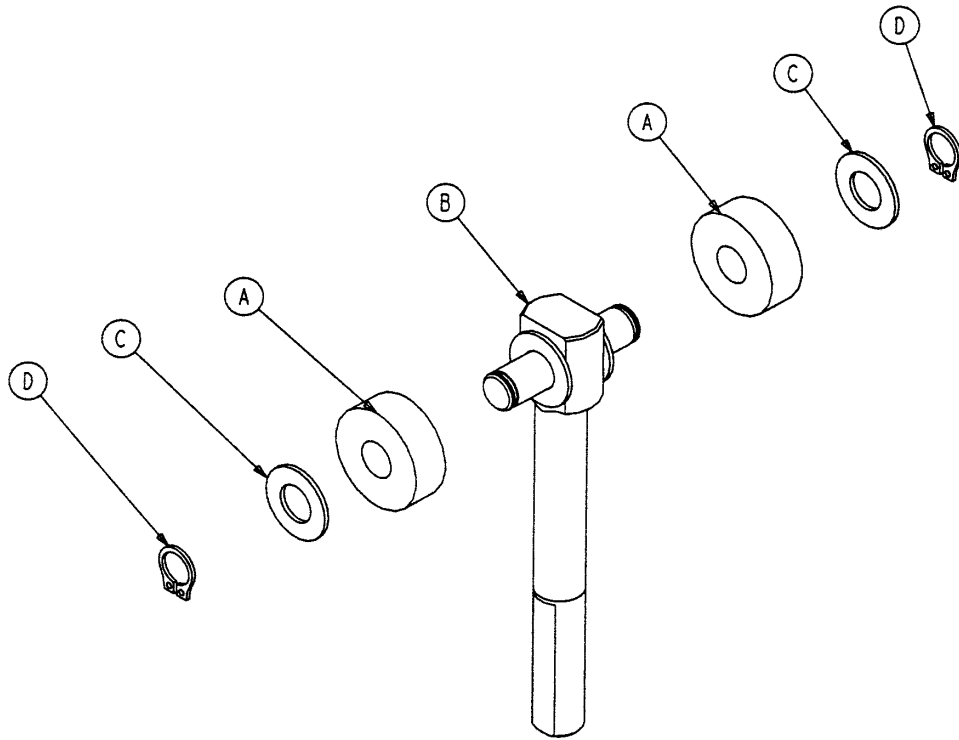
Item	Part Number	Part Name	Qty.
A	16-60	Hex Nut	1
B	3-205	Hex Cap Screw	1
C	3-215	Hex Cap Screw	1
D	(page 25)	Molded Wheel Assembly	1
E	5050-2-31	Caster Horn Assembly	1

5050-2-10 Molded Wheel Assembly



Item	Part No.	Part Name	Qty.
A	81-226	Bearing	2
B	715-1-255	Wheel Bushing	2
C	5050-2-20	Molded Wheel	1
D	6060-2-41	Bearing Spacer	1

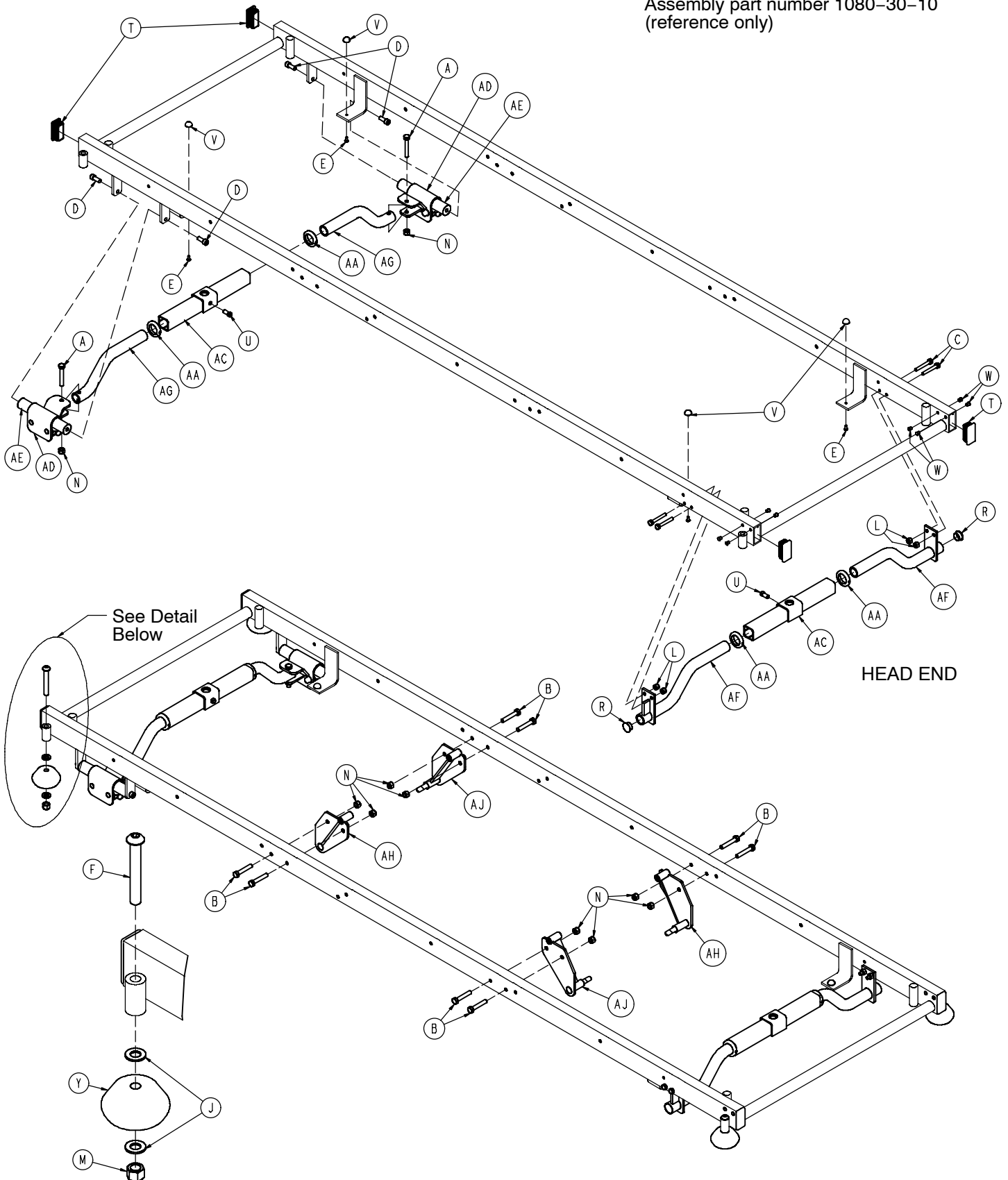
715-201-150 Brake Adjuster Assembly



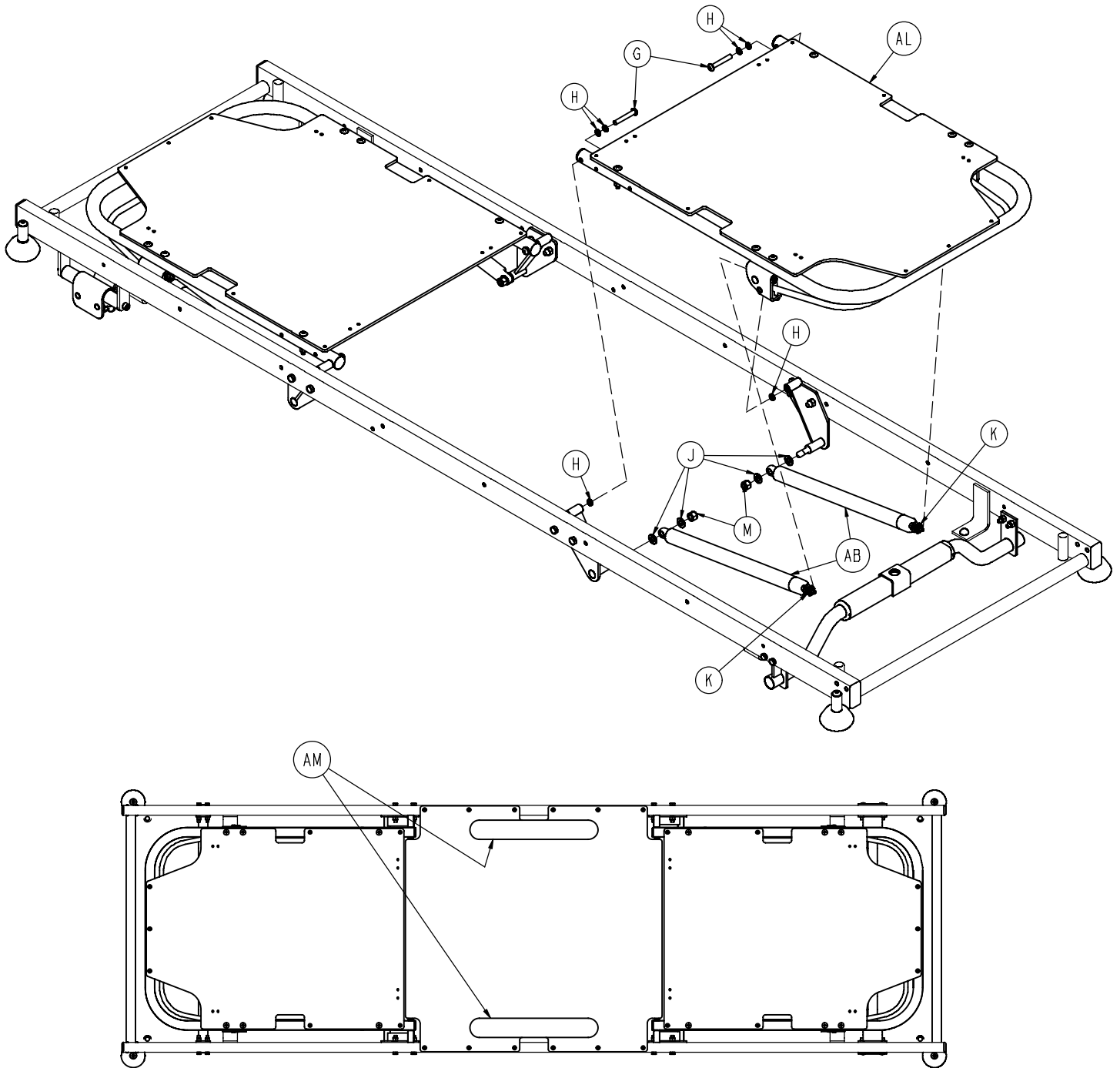
Item	Part No.	Part Name	Qty.
A	715-1-180	Cam Bearing	2
B	715-201-62	Threaded Stud Assembly	1
C	14-4	Nylon Washer	4
D	28-8	External Retaining Ring	2

Litter Assembly

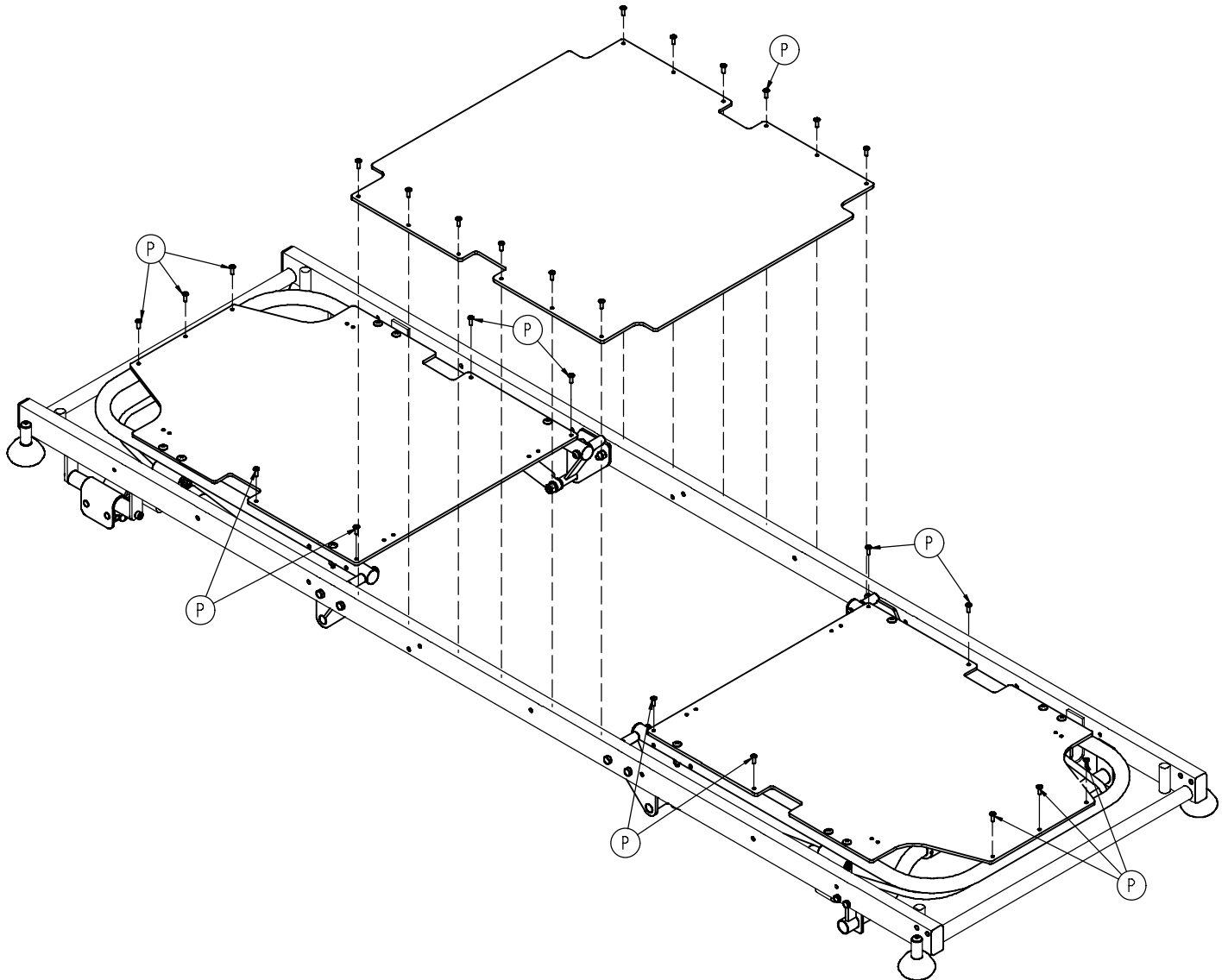
Assembly part number 1080-30-10
(reference only)



Litter Assembly



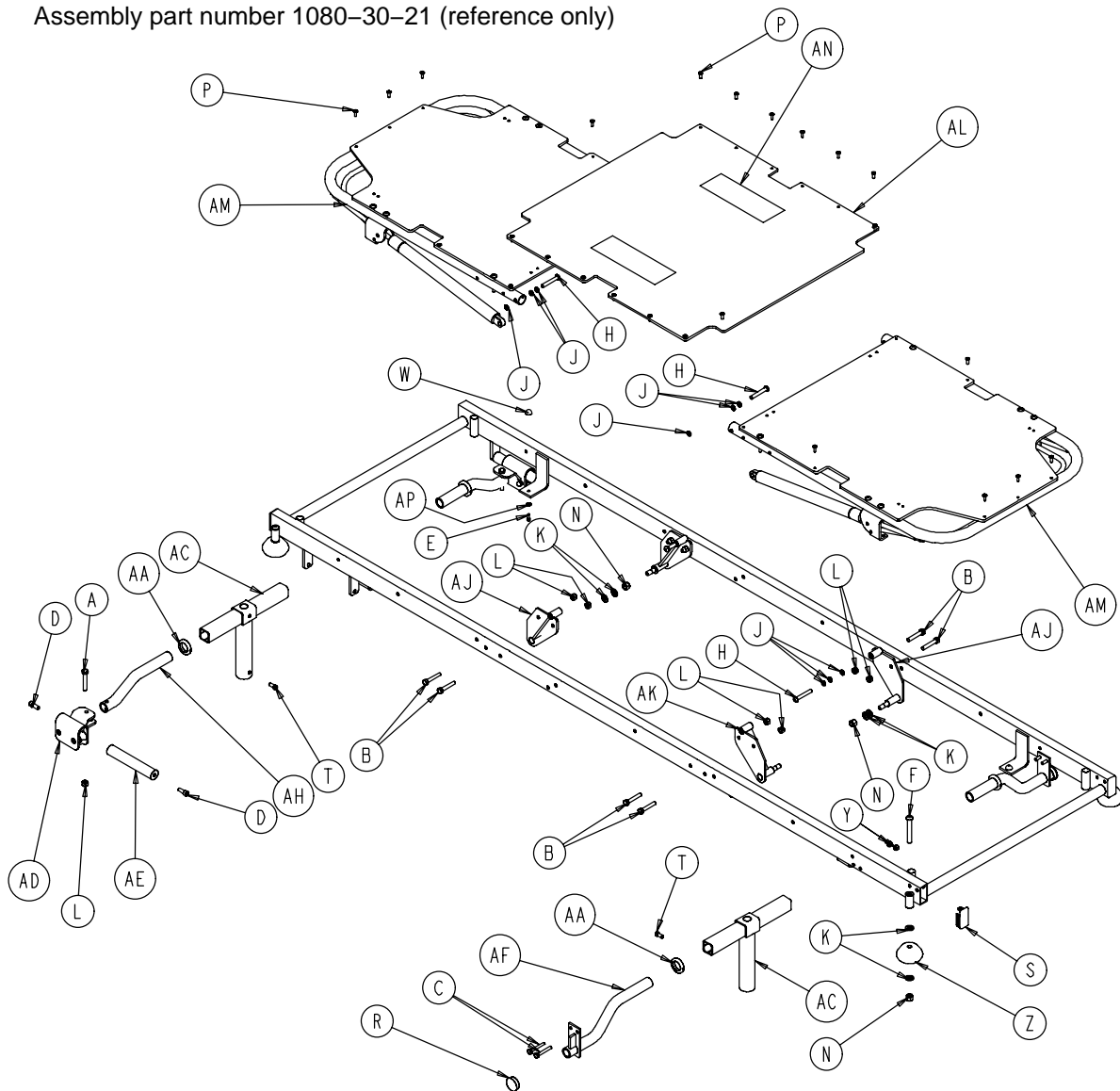
Litter Assembly



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3-40	Hex Hd. Cap Screw	2	T	46-1	Set Screw	2
B	3-68	Hex Hd. Cap Screw	8	W	56-4	Rubber Bumper	4
C	3-78	Hex Hd. Cap Screw	4	Y	721-31-65	Hole Plug	8
D	4-21	Soc. Hd. Cap Screw	4	Z	926-400-142	Bumper Wheel	4
E	4-49	Soc. Hd. Cap Screw	4	AA	938-1-401	Collar	4
F	4-182	But. Hd. Cap Screw	4	AB	1010-31-78	Gas Cylinder	4
G	4-183	But. Hd. Cap Screw	4	AC	1010-32-85	Support Tube Ass'y	2
H	14-3	Washer	12	AD	1020-1-49	Supt. Tube & Roller Ass'y	2
J	14-21	Washer	16	AE	1020-1-59	Trend. Roller Bar	2
K	15-59	Nylock Nut	4	AF	1080-30-13	Jack Supt. Trans. Wldmt.	2
L	16-28	Nylock Nut	4	AG	1080-30-14	Jack Supt. Transition, Ft.	2
M	16-35	Nylock Nut	8	AH	1080-30-23	Fowler Pivot Wldmt., Lt.	2
N	16-36	Nylock Nut	10	AJ	1080-30-24	Fowler Pivot Wldmt., Rt.	2
P	25-50	Pop Rivet	26	AK	1080-30-35	Midsection Skin	1
R	37-30	Hole Plug	2	AL	(page 31)	Pneumatic Fowler Ass'y	2
S	37-206	Plug	4	AM	7900-1-102	Velcro Adhesive Pile	2 1/4

Optional High Height Litter Assembly

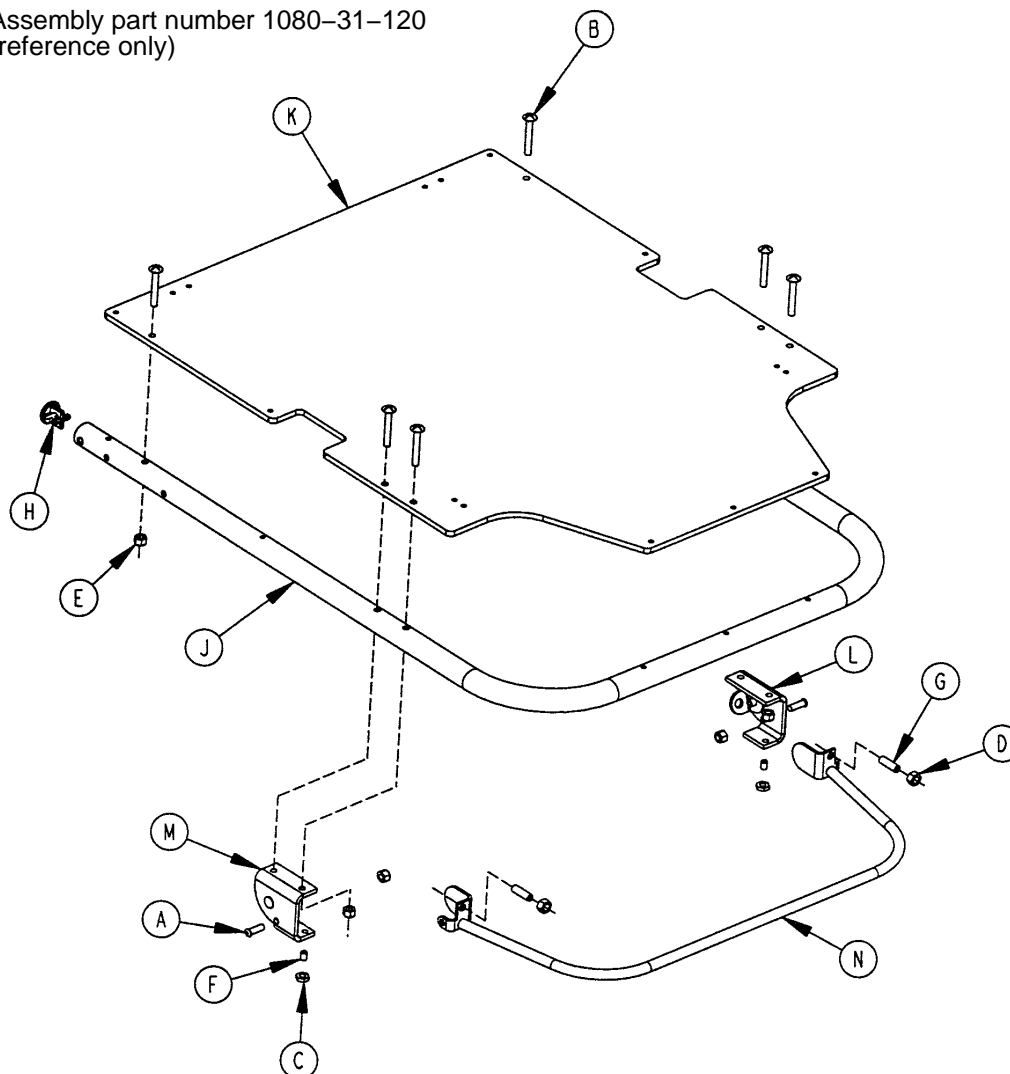
Assembly part number 1080-30-21 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3-40	Hex Hd. Cap Screw	2	W	56-4	Rubber Bumper	4
B	3-68	Hex Hd. Cap Screw	8	Y	721-31-65	Hole Plug	8
C	3-78	Hex Hd. Cap Screw	4	Z	926-400-142	Bumper Wheel	4
D	4-21	Soc. Hd. Cap Screw	4	AA	938-1-401	Collar	4
E	4-49	Soc. Hd. Cap Screw	4	AB	1010-31-78	Gas Cylinder	4
F	4-182	But. Hd. Cap Screw	4	AC	1080-32-85	High Height Supt. Tube	2
H	4-183	But. Hd. Cap Screw	4	AD	1020-1-49	Supt. Tube & Roller Ass'y	2
J	14-3	Washer	12	AE	1020-1-59	Trend. Roller Bar	2
K	14-21	Washer	16	AF	1080-30-13	Jack Supt. Trans. Wldmt.	2
L	16-36	Nylock Nut	10	AH	1080-30-14	Jack Supt. Transition, Ft.	2
M	16-28	Nylock Nut	4	AJ	1080-30-23	Fowler Pivot Wldmt., Lt.	2
N	16-35	Nylock Nut	8	AK	1080-30-24	Fowler Pivot Wldmt., Rt.	2
P	25-50	Pop Rivet	26	AL	1080-30-35	Midsection Skin	1
R	37-30	Hole Plug	2	AM	(page 31)	Pneumatic Fowler Ass'y	2
S	37-206	Plug	4	AN	7900-1-102	Velcro Adhesive Pile	2
T	46-3	Sq. Set Screw	2	AP	11-16	Washer	4

Pneumatic Fowler Assembly

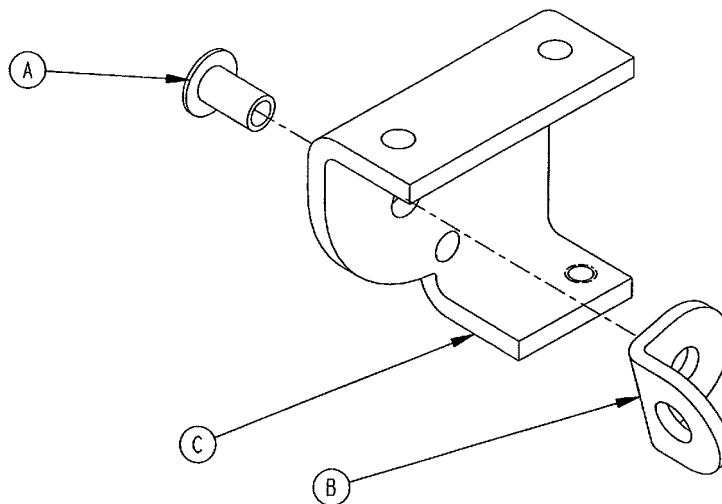
Assembly part number 1080-31-120
(reference only)



Item	Part No.	Part Name	Qty.
A	4-161	Hex Soc. But. Hd. Cap Screw	2
B	7-20	Truss Hd. Mach. Screw	6
C	15-37	Jam Nut	2
D	15-50	Hex Nut	2
E	16-28	Nylock Nut	8
F	21-125	Set Screw	2
G	21-126	Set Screw	2
H	1001-1-36	Hole Plug	2
J	1001-31-13	Fowler Tube	1
K	1010-231-12	Fowler Skin (Fiberresin)	1
L	(page 32)	Outer Housing Ass'y, Right	1
M	(page 32)	Outer Housing Ass'y, Left	1
N	1210-31-118	Trip Bar Assembly	1

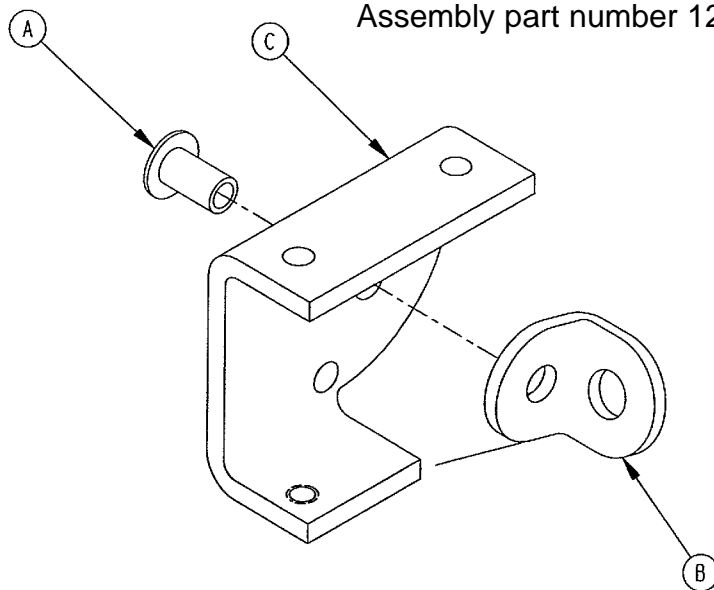
Optional Pneumatic Fowler Outer Housing

Assembly part number 1210-31-106 (Right)



Item	Part No.	Part Name	Qty.
A	25-174	Semi-Tubular Rivet	1
B	1210-31-103	Pivot Tab	1
C	1210-31-104	Outer Housing, Right	1

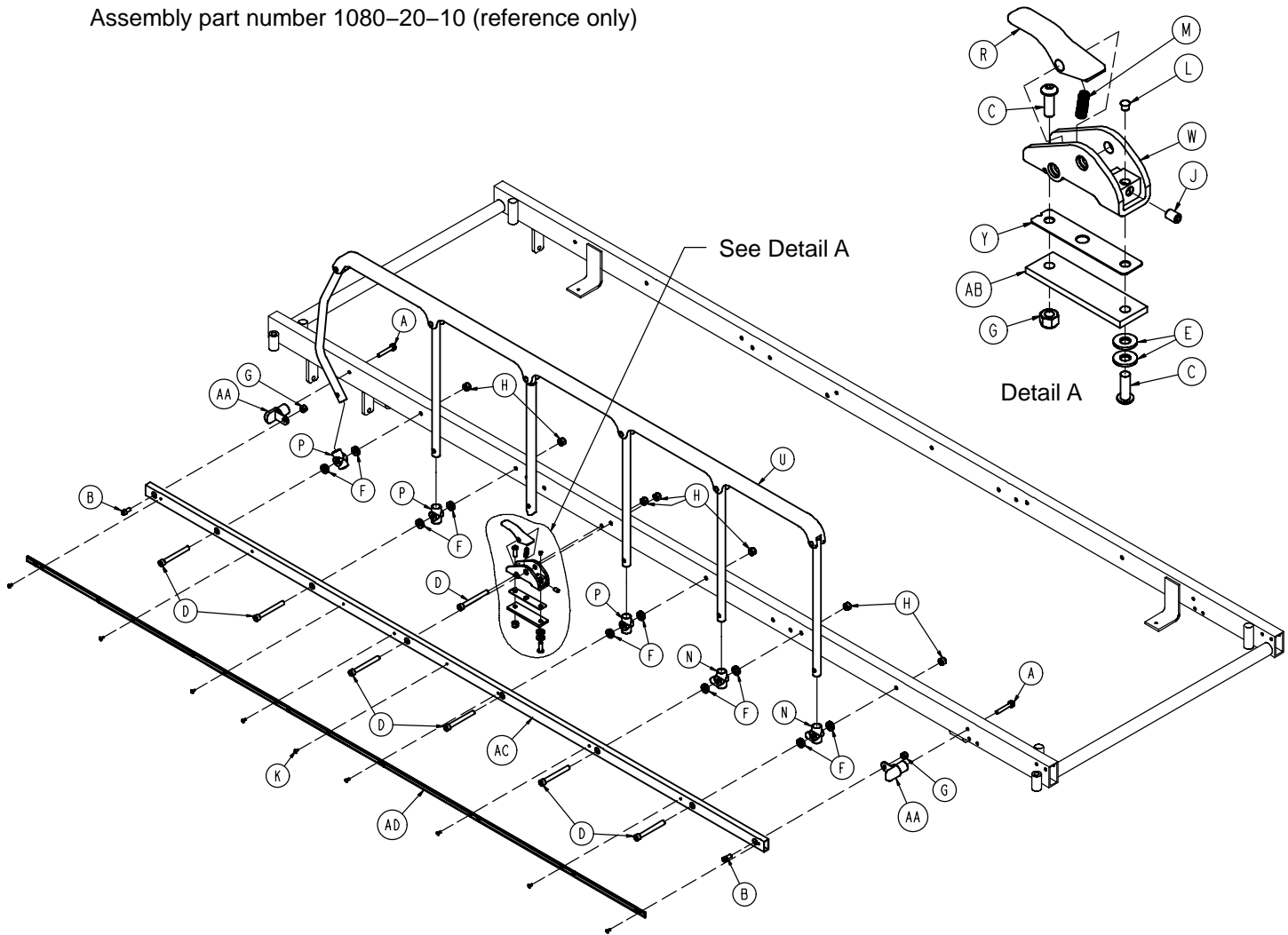
Assembly part number 1210-31-107 (Left)



Item	Part No.	Part Name	Qty.
A	25-174	Semi-Tubular Rivet	1
B	1210-31-103	Pivot Tab	1
C	1210-31-105	Outer Housing, Left	1

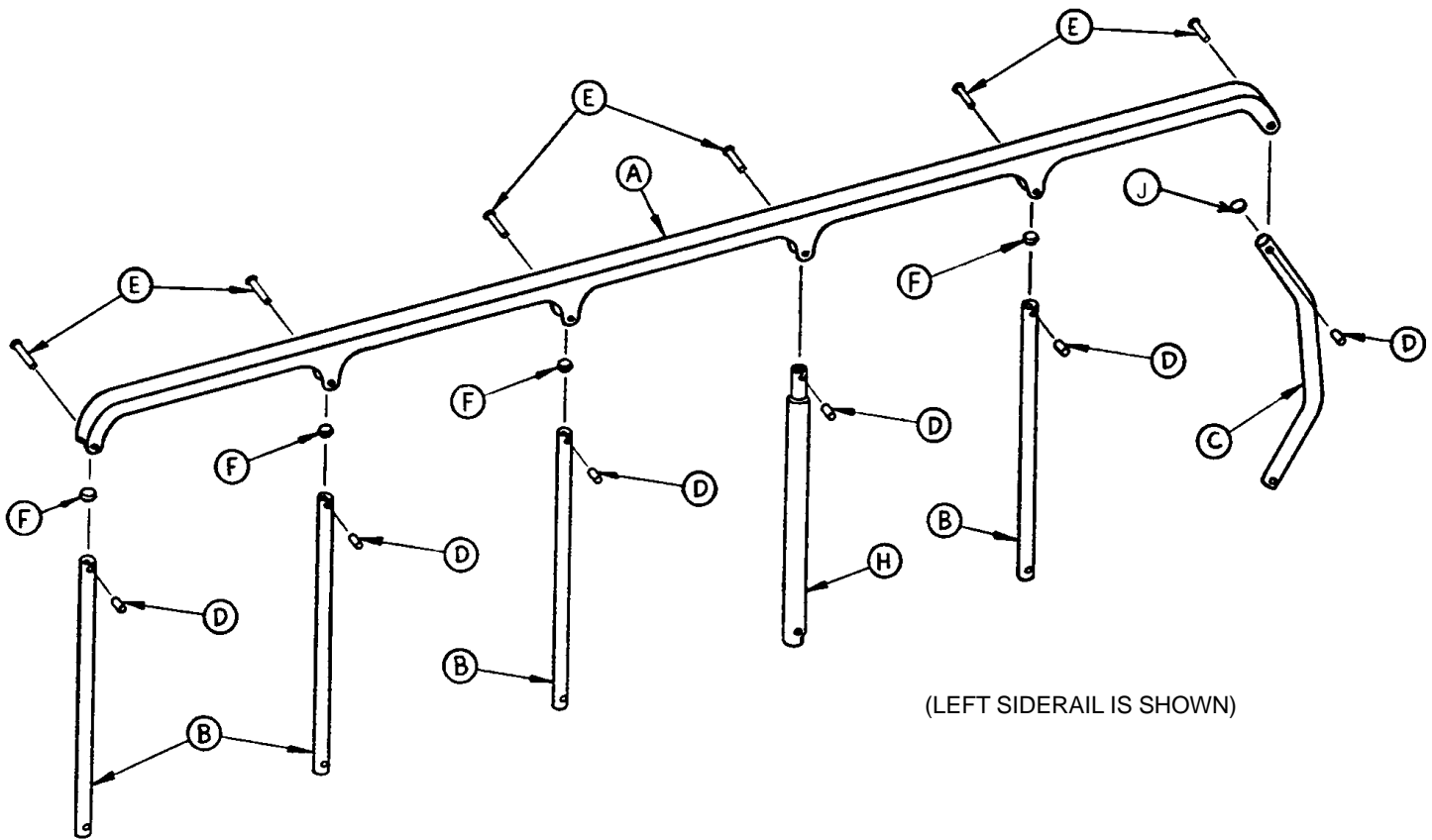
Siderail to Litter Assembly

Assembly part number 1080-20-10 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3-47	Hex Hd. Cap Screw	4	N	721-26-68	Upright Cradle	4
B	4-18	Soc. Hd. Cap Screw	4	P	721-26-69	Upright Sleeve	6
C	4-161	But. Hd. Cap Screw	4	R	721-26-74	Lock Handle	2
D	4-272	Soc. Hd. Cap Screw	14	T	(page 34)	Siderail Ass'y, Right	1
E	11-2	Washer	4	U	(page 34)	Siderail Ass'y, Left	1
F	14-70	Nylon Washer	20	V	1010-26-80	Lock Housing Ass'y, Lt.	1
G	16-28	Nylock Hex Nut	6	W	1010-26-81	Lock Housing Ass'y, Rt.	1
H	16-36	Nylock Hex Nut	14	Y	1010-26-103	Spring Retainer	2
J	21-104	Set Screw	2	AA	1080-30-16	Bumper Transition Wldmt.	4
K	25-38	Pop Rivet	18	AB	1080-30-31	Backer	2
L	37-74	Hole Plug	2	AC	1080-30-32	Siderail Tube	2
M	38-220	Compression Spring	2	AD	1080-30-33	Bumper Channel	2

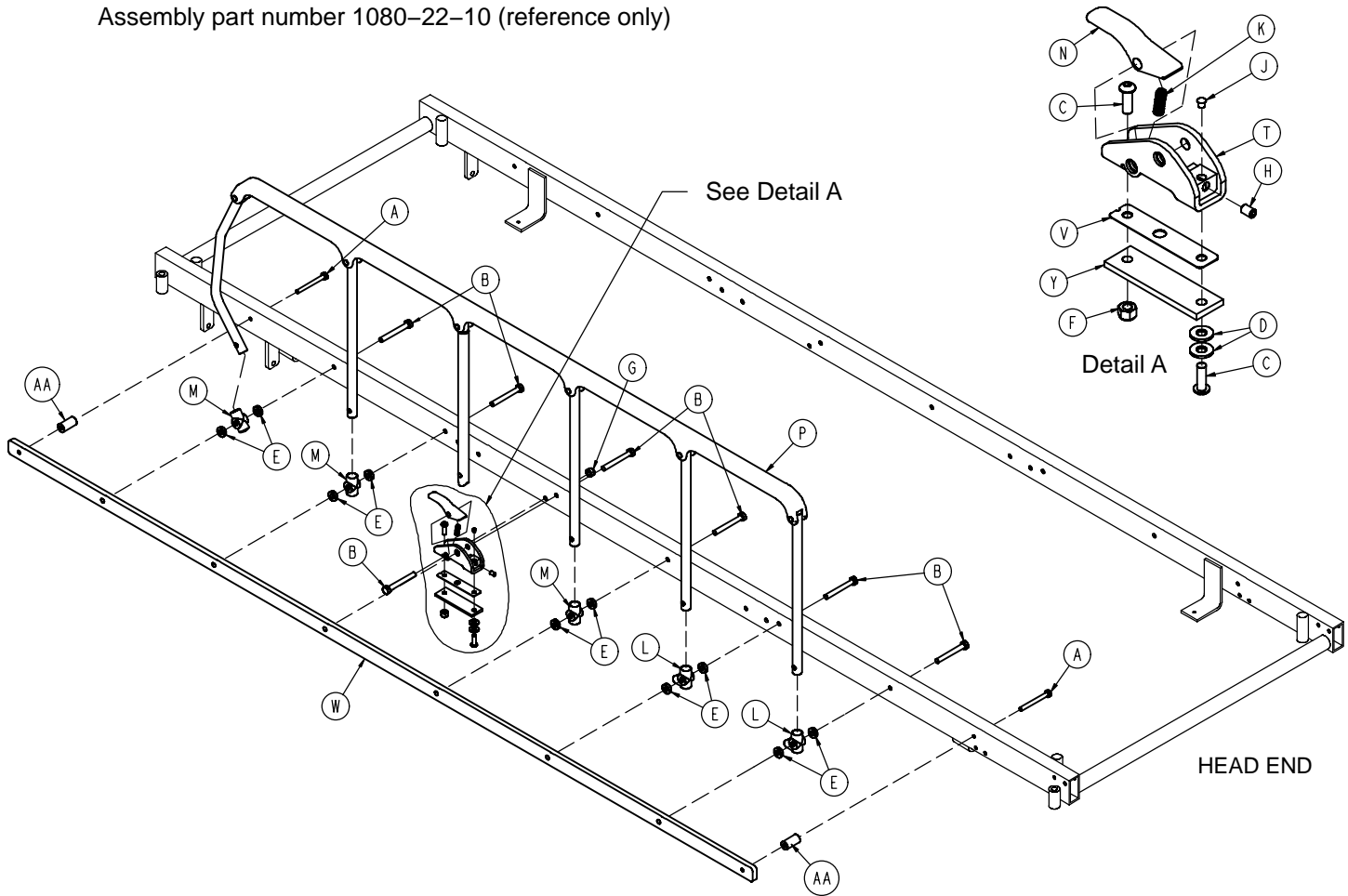
1010-26-17/1010-26-19 Siderail Assembly, Right/Left



Item	Part No.	Part Name	Qty.
A	1010-26-15	Top Rail	1
B	1010-26-83	Upright	4
C	1010-26-84	Upright, Bent	1
D	1010-26-82	Sleeve Bearing	6
E	25-106	Semi-Tubular Rivet	6
F	1010-26-10	Round Hole Plug	4
H	1010-26-85	Upright, Latch	1
J	1010-26-12	Bent Spindle Rest	1

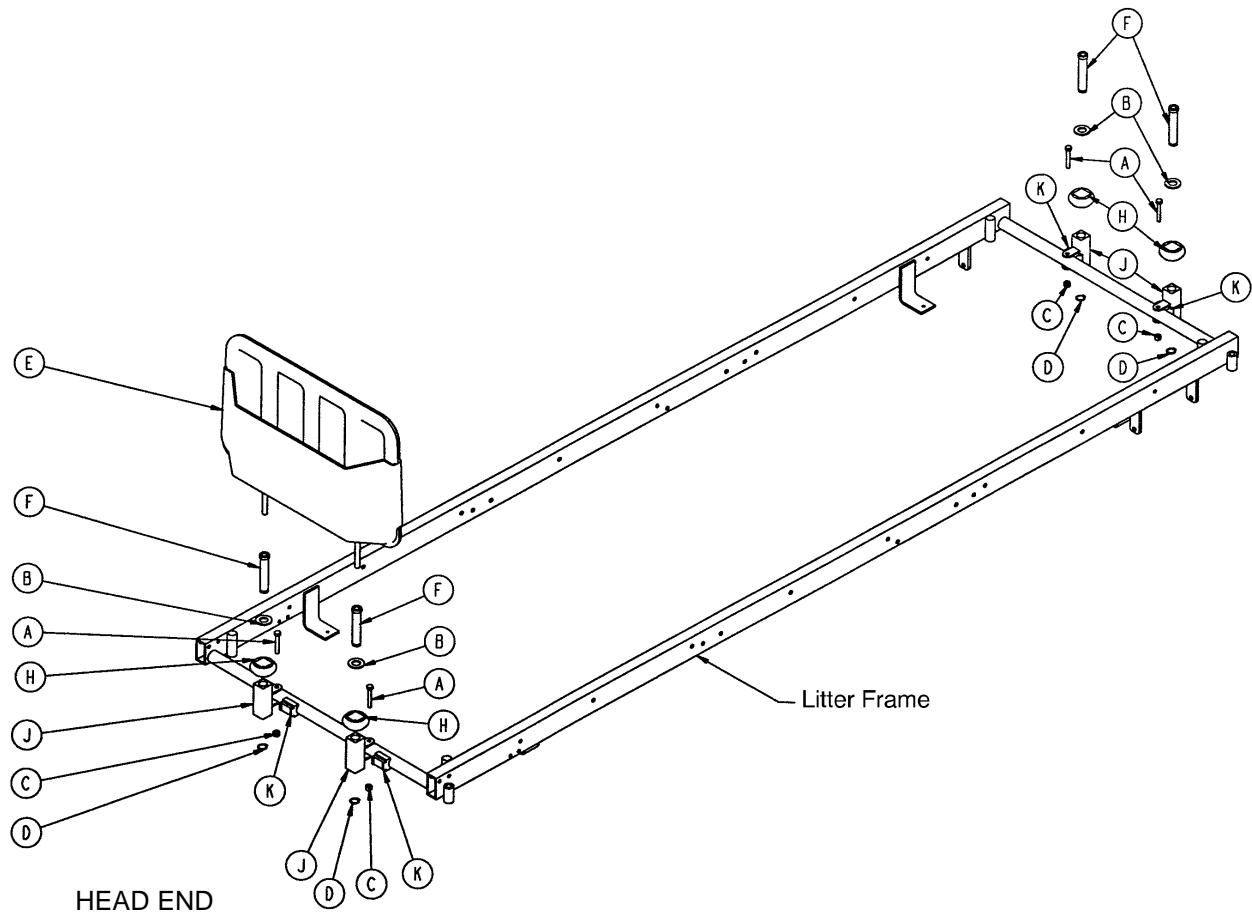
Accessory Rail to Litter Assembly

Assembly part number 1080-22-10 (reference only)



Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	3-23	Hex Hd. Cap Screw	4	M	721-26-69	Upright Sleeve	6
B	3-82	Hex Hd. Cap Screw	14	N	721-26-74	Lock Handle	2
C	4-161	But. Hd. Cap Screw	4	P	(page 34)	Siderail Ass'y, Right	1
D	11-2	Washer	4	R	(page 34)	Siderail Ass'y, Left	1
E	14-70	Nylon Washer	20	T	1010-26-80	Lock Housing Ass'y, Rt.	1
F	16-28	Nylok Hex Nut	2	U	1010-26-81	Lock Housing Ass'y, Lt.	1
G	16-36	Nylok Hex Nut	2	V	1010-26-103	Spring Retainer	2
H	21-104	Set Screw	2	W	1080-22-15	Accessory Rail Bar	2
J	37-74	Hole Plug	2	Y	1080-30-31	Backer	2
K	38-220	Compression Spring	2	AA	1080-30-38	Sleeve	4
L	721-26-68	Upright Cradle	4				

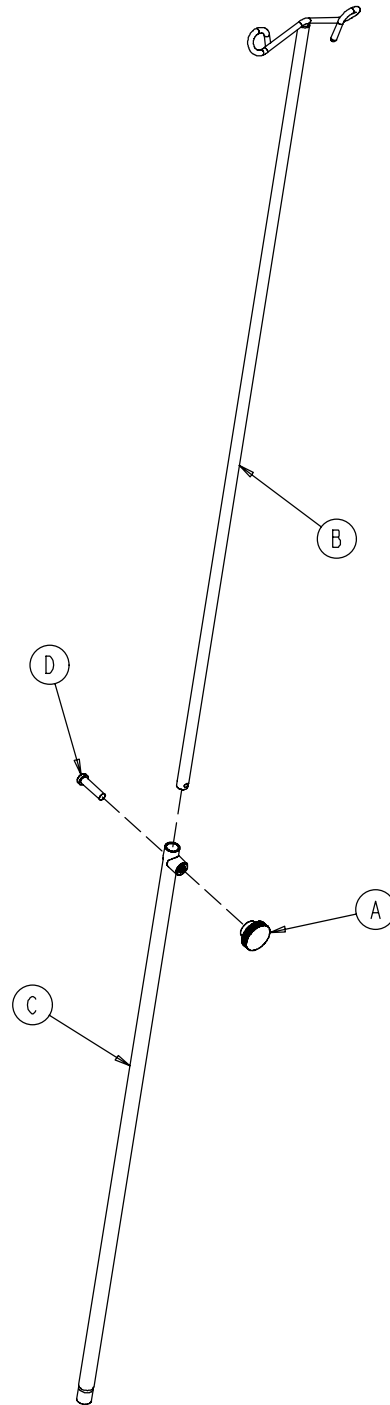
1080-134-10 Foot Board/Chart Holder Assembly



Item	Part No.	Part Name	Qty.
A	3-78	Hex Hd. Cap Screw	4
B	14-71	Nylon Washer	4
C	16-28	Fiberlock Nut	4
D	28-72	Retaining Ring	4
E	0785-045-500 (page 41)	Foot Board/Chartholder Ass'y	1
F	1001-40-12	Foot Board Receptacle	4
H	1010-51-18	Bumper	4
J	1080-134-12	Board Support Weldment	4
K	1080-134-13	Locking Bracket	4

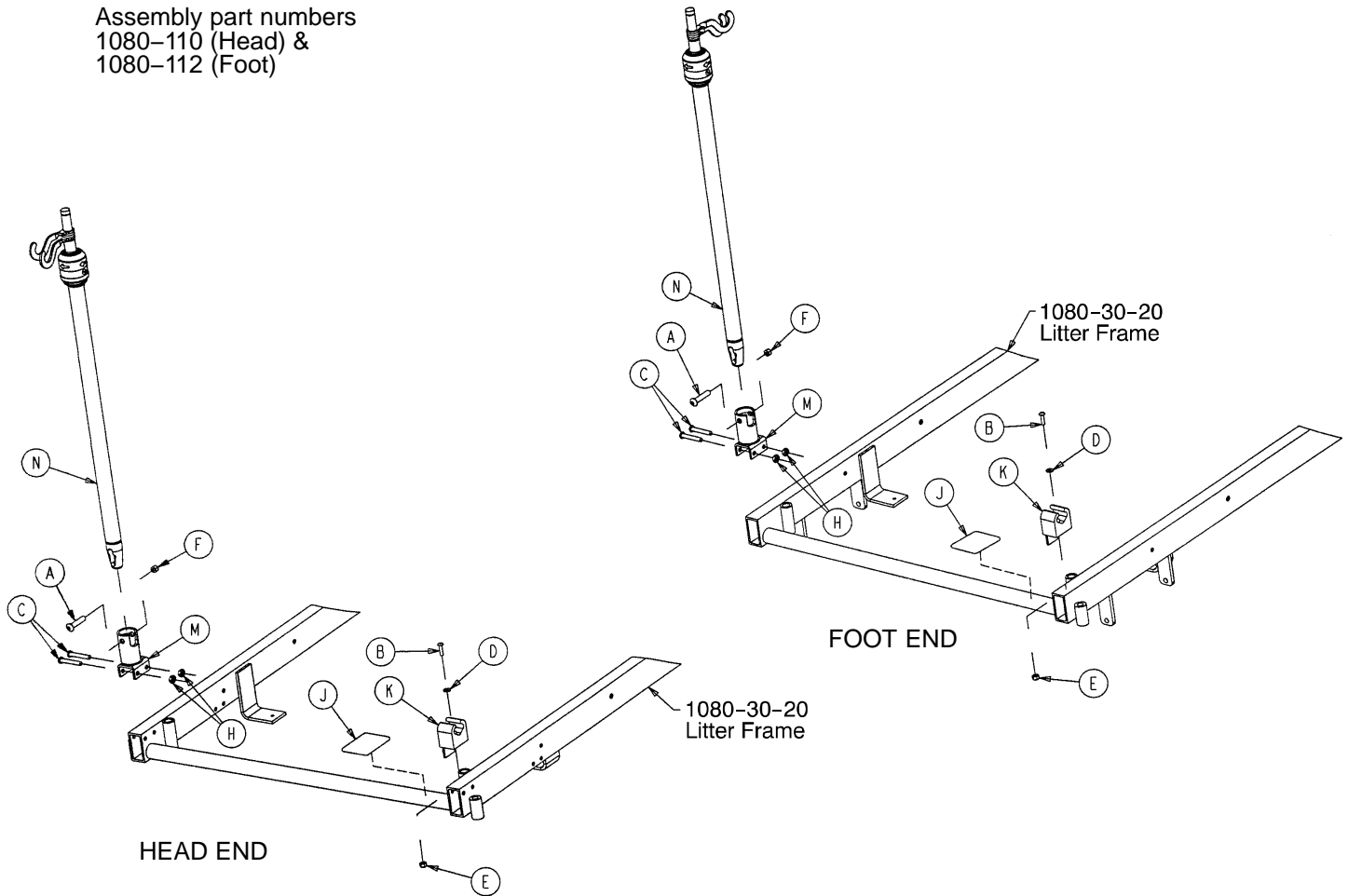
390-25 Standard, Removable IV Pole Assembly

Item	Part No.	Part Name	Qty.
A	24-23	Plastic Knob	1
B	390-3-53	Double IV Ass'y	1
C	393-3-43	Tube Assembly	1
D	4-496	Soc. Hd. Cap Screw	1



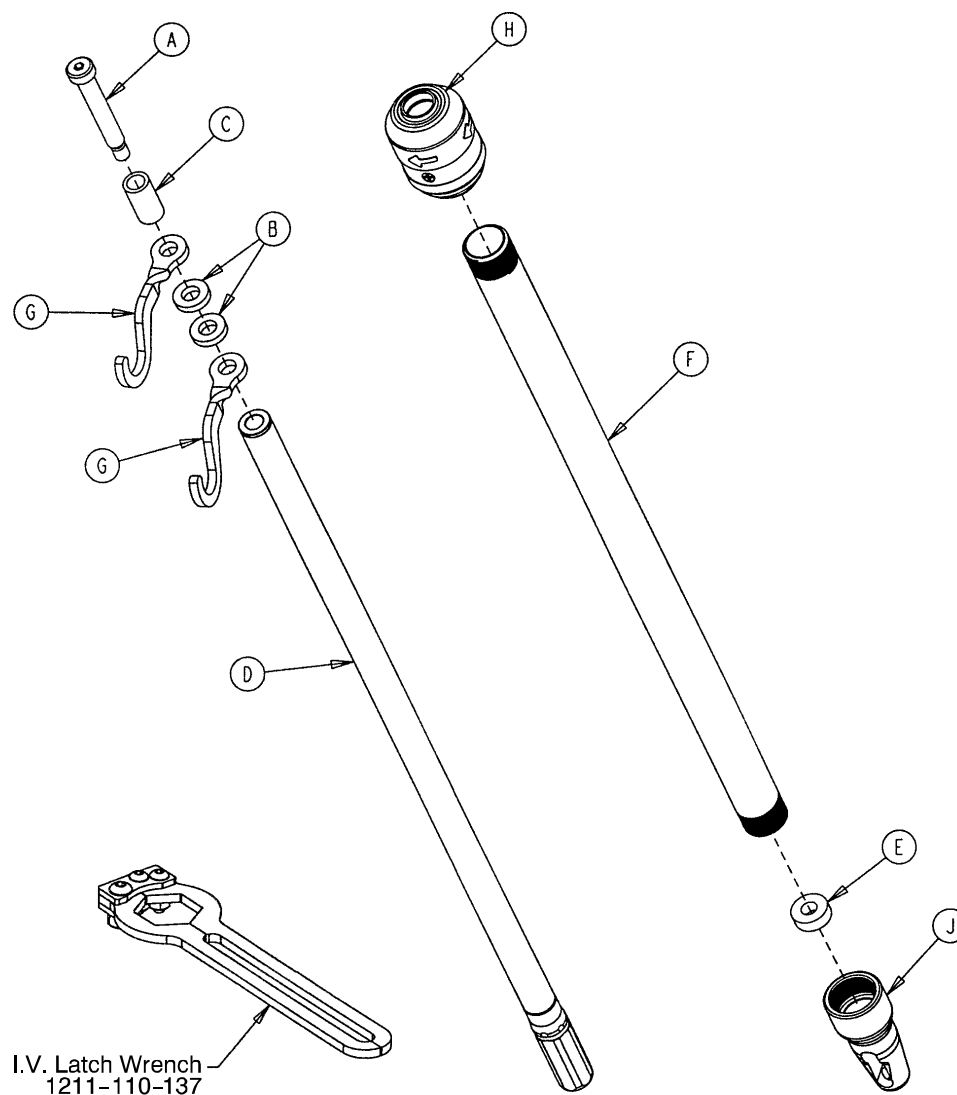
Optional Permanently Attached IV Assembly

Assembly part numbers
1080-110 (Head) &
1080-112 (Foot)



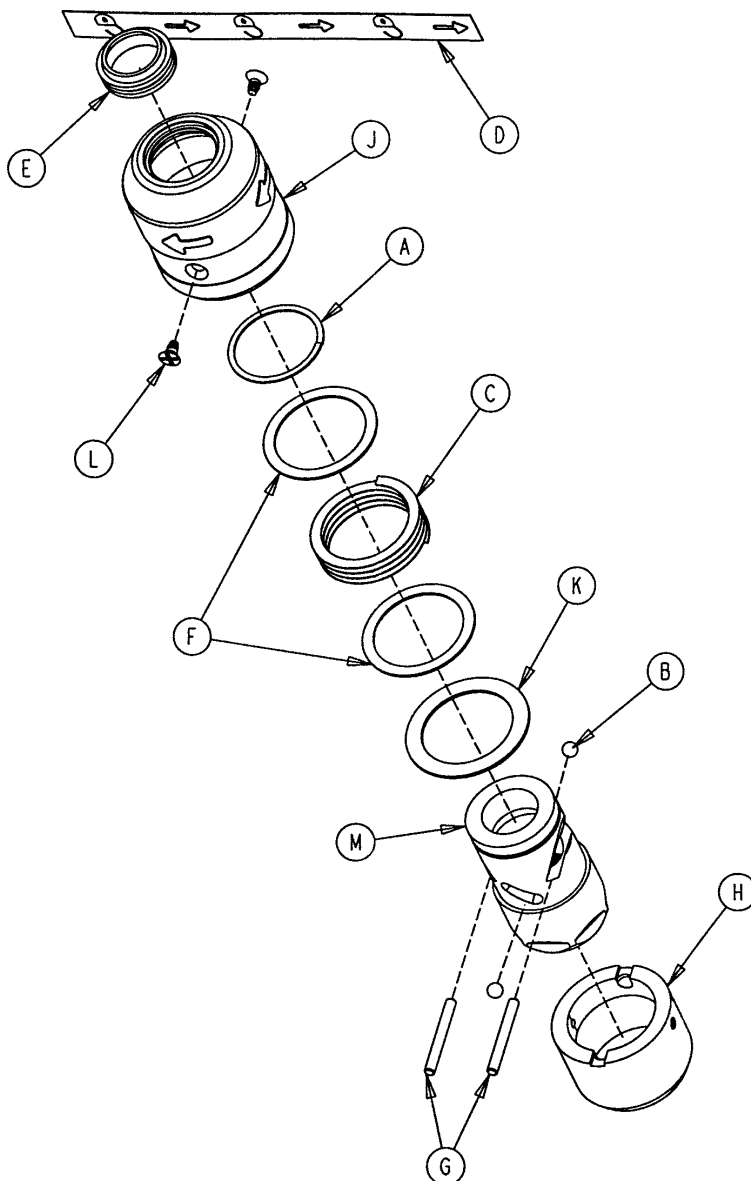
Item	Part No.	Part Name	Qty.
A	4-199	But. Hd. Cap Screw	1
B	4-169	But. Hd. Cap Screw	1
C	4-135	But. Hd. Cap Screw	2
D	11-16	Washer	1
E	16-3	Fiberlock Nut	1
F	16-36	Fiberlock Nut	1
H	16-5	Conelock Nut	2
J	1001-1-56	Round Hook Protector	1
K	1001-59-12	IV Clip	1
M	1080-110-112	IV Pivot Weldment	1
N	(page 39)	IV Pole Assembly	1

1211-210-10 Optional 2-Stage IV Pole Assembly



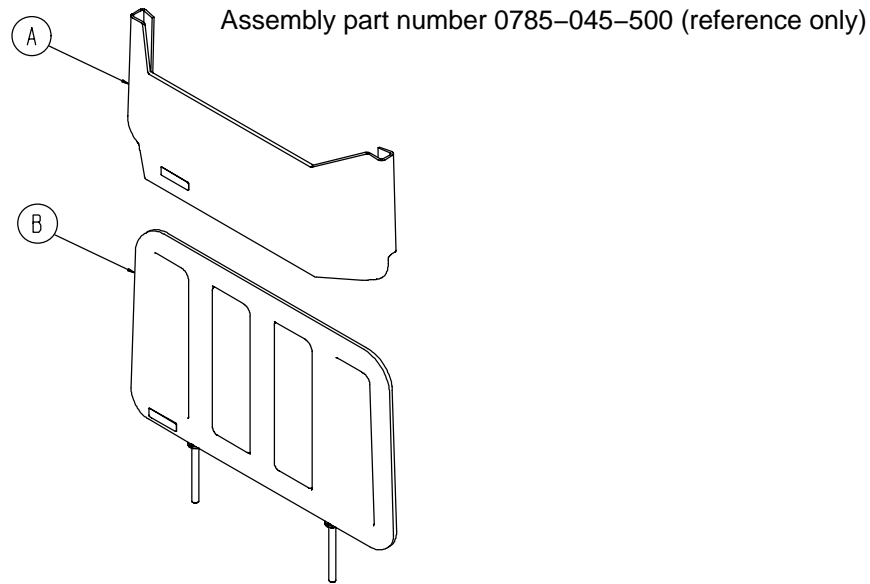
Item	Part No.	Part Name	Qty.
A	8-31	Soc. Hd. Cap Screw	1
B	52-17	Washer	2
C	926-400-162	Spacer	1
D	1211-210-29	2nd Stage Assembly	1
E	1001-359-13	Dampener	1
F	1001-159-28	Base Tube	1
G	1010-59-16	IV Hook	2
H	(page 40)	IV Pole Latch	1
J	1001-359-112	Pivot	1

1211-210-26 Optional IV Pole Latch Assembly



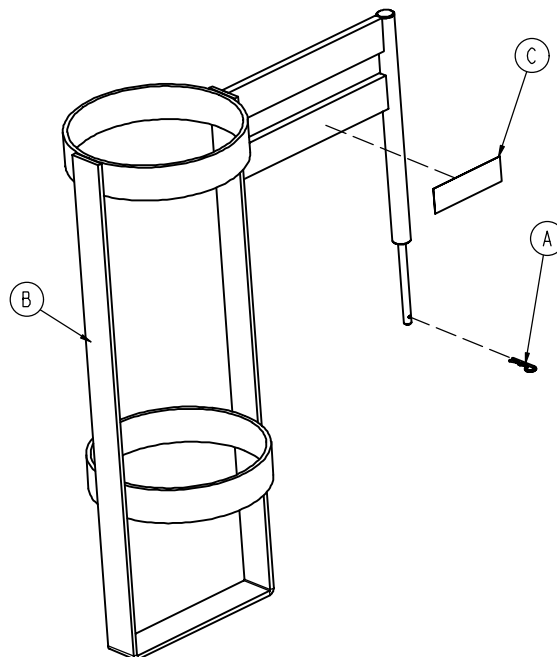
Item	Part No.	Part Name	Qty.
A	28-167	Retaining Ring	1
B	31-4	Steel Ball	2
C	38-392	Crest-to-Crest Spring	1
D	1211-91-34	Release Label	1
E	1211-110-18	IV Latch Seal	1
F	1211-110-20	Washer	2
G	1211-110-21	IV Latch Locking Pin	2
H	1211-110-22	IV Latch Guide	1
J	1211-110-24	IV Latch O.D. Housing	1
K	1211-110-35	Washer	1
L	1211-110-36	Self-Tapping Screw	2
M	1211-210-23	IV Latch I.D. Housing	1

Optional Foot Board/Chartholder Assembly



Item	Part No.	Part Name	Qty.
A	946-28-11	Chart Holder	1
B	946-29-6	Foot Board	1

1020-130 Optional Upright O2 Bottle Holder Assembly



Item	Part No.	Part Name	Qty.
A	27-30	Cotter Pin	1
B	1020-30-111	Upright Bottle Holder	1
C	1020-30-117	Specification Label	1

Warranty

Limited Warranty:

Stryker Medical Division, a division of Stryker Corporation, warrants to the original purchaser that its products should be free from defects in material and workmanship for a period of one (1) year after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. If requested by Stryker, products or parts for which a warranty claim is made shall be returned prepaid to Stryker's factory. Any improper use or any alteration or repair by others in such manner as in Stryker's judgement affects the product materially and adversely shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

Stryker Medical stretcher products are designed for a 10 year expected service life under normal use, conditions, and with appropriate periodic maintenance as described in the maintenance manual for each device. Stryker warrants to the original purchaser that the welds on its stretcher products will be free from structural defects for the expected 10 year life of the stretcher product as long as the original purchaser owns the product.

This statement constitutes Stryker's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

To Obtain Parts and Service:

Stryker products are supported by a nationwide network of dedicated Stryker Field Service Representatives. These representatives are factory trained, available locally, and carry a substantial spare parts inventory to minimize repair time. Simply call your local representative, or call Stryker Customer Service at (800) 327-0770.

Service Contract Coverage:

Stryker has developed a comprehensive program of service contract options designed to keep your equipment operating at peak performance at the same time it eliminates unexpected costs. We recommend that these programs be activated *before* the expiration of the new product warranty to eliminate the potential of additional equipment upgrade charges.

A SERVICE CONTRACT HELPS TO:

- Ensure equipment reliability
- Stabilize maintenance budgets
- Diminish downtime
- Establish documentation for JCAHO
- Increase product life
- Enhance trade-in value
- Address risk management and safety

Warranty

Stryker offers the following service contract programs:

SPECIFICATIONS	GOLD	SILVER	PM* ONLY
Annually scheduled preventative maintenance	X		X
All parts,** labor, and travel	X	X	
Unlimited emergency service calls	X	X	
Priority one contact; two hour phone response	X	X	X
Most repairs will be completed within 3 business days	X	X	
JCAHO documentation	X	X	X
On-site log book w/ preventative maintenance & emergency service records	X		
Factory-trained Stryker Service Technicians	X	X	X
Stryker authorized parts	X	X	X
End of year summary	X		
Stryker will perform all service during regular business hours (9–5)	X	X	X

* Replacement parts and labor for products under PM contract will be discounted.

** Does not include any disposable items, I.V. poles (except for Stryker HD permanent poles), mattresses, or damage resulting from abuse.

Stryker Medical also offers *personalized* service contracts.

Pricing is determined by age, location, model and condition of product.

**For more information on our service contracts,
please call your local representative or call (800) 327-0770 (option #2).**

Return Authorization:

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.

SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

Damaged Merchandise:

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. **DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT.** Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Claims for any short shipment must be made within thirty (30) days of invoice.

International Warranty Clause:

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.

European Representative

Stryker EMEA RA/QA Director
Stryker France
ZAC Satolas Green Pusignan
Av. De Satolas Green
69881 MEYZIEU Cedex
France

stryker®

3800 E. Centre Ave., Portage, MI 49002
(800) 327-0770
www.stryker.com



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